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PROFESSIONAL WORKERS IN STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER COOPERATING STATE INSTITUTIONS

December 1966

Cooperative State Research Service
UNITED STATES DEPARTMENT OF AGRICULTURE
Washington, D.C.

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# KEY TO ABBREVIATIONS\*

Acct(s) Account(s), Accountant, Accounting Flec Electric, Electrical, Electrification Actg Elem Elementary Admin Administration, Administrative Embryol Embryology Adminr Administrator Endocrinol Endocrinologist, Endocrinology Adv Adviser(s) Engin Engineer, Engineering Åar Agricultural, Agriculture, Agriculturist Engl English Agron Agronomist, Agronomy Enol Enologist, Enology Agrostol Agrostologist, Agrostology Entomological, Entomologist, Entomology Ent Agt(s) Agent(s) Environ Environment, Environmental Angl Analyses, Analysis, Analyst, Analytical Epidem **Epidemiologist** Anat Anatomist, Anatomy Equip Equipment Anim Animal(s) ERS United States Economic Research Service Apic Apiculture, Apiculturist Eval Evaluation Arch Architect, Architectural, Architecture Exec Executive ARS United States Agricultural Research Ехо Express Service Expt Experiment(s), Experimental. Assoc Associate, Association(s) Experimentalist Asst Assistant Ext(s) Extension(s) Aud Audio, Auditor Fam Family Bact Bacteriologist, Bacteriology Fed Federal Riochem Biochemical, Biochemistry Fert Fertility, Fertilizer Biol Biological, Biologist, Biology Fdn Foundation Biomet Biometric(s), Biometrical, Biometrician, Floricultural, Floriculture, Flor Biometry Floriculturist Biophys Biophysics For Forest, Forester, Forestry Bldg(s) Building(s) FS United States Forest Service Bot Botanical, Botanist, Botany Ft Fort Br Branch Fum Furnishings Breeding Brdg Gard Garden, Gardener, Gardening Brdr Breeder Gen General Bul Bulletin Genet Geneticist, Genetics . Bur Bureau Geog Geography Bus Business Geol Geological, Geologist, Geology Certif Certificate, Certification Govt Government Chanc Chancellor Grad Graduate Chem Chemical(s), Chemist, Chemistry HEW United States Department of Health, Chg Charge Education, and Welfare Chmn Chairman Hist History Citric Citriculture, Citriculturist Histol Histologist, Histology Civ Civil Hort Horticultural, Horticulture, Climatol Climatologist, Climatology Horticulturist Clinic(s) Clinical, Clinician Clin Husb Husbandman, Husbandry Clk Clerk Hva Hygiene, Hygienist Cloth Clothing Illine Illustration, Illustrative, Illustrator Col College Immunol Immunologist, Immunology Collab Collaborating, Collaborator Impr Improvement(s) Com Commercial Indus Industrial, Industries, Industry Commun Communication(s) Inform Information, Informationist Comn Commission Insp Inspection, Inspector(s) Compar Comparative Inst(s) Institute(s), Institution(s), Institutional Conf Conference(s) Instr Instruction, Instructor Conserv Conservation, Conservationist Int Interior Consult Consultant, Consulting Internati International Consum Consumer Introd Introduction C & MS Consumer and Marketing Service Invest Investigation(s), Investigational, Cont Continuing Investigator Coop(s) Cooperation, Cooperative(s), Cooperator Ins Insect(s) Coord Coordinator Irria Irrigation, Irrigationist Cult Culture, Culturist Itin Itinerant Cytogenet Cytogeneticist, Cytogenetics Junc Junction Cytol Cytologist, Cytology Lab(s) Laboratories, Laboratory Def Defense Landsc Landscape Demon(s) Demonstration(s), Demonstrator Lect Lecturer Dep Deputy L.dr Leader Dept(s) Department(s) Libr(s) Librarian, Libraries, Library Devlpmt Development Limnol Limnology Dir Director(s) Mach Machine(s), Machinery Dis Disease(s) Mater Material(s) Dist District Math Mathematical, Mathematician Distrib Distribution, Distributive, Distributor Mathematics Div Division Mech Mechanical, Mechanics, Mechanization, Drain Drainage Mechanized Ecol Ecological, Ecologist, Ecology Med Medical, Medicine Econ Economic(s), Economist, Economy Met Meteorologist, Meteorology Ed Editor, Editorial Mfq Manufacturing

Mfr(s)

Manufacture(s), Manufacturer

Educ

Education, Educational, Educator

# Key to Abbreviations\* - Continued

Service

Sch School Мат Manager Sci Science(s), Scientific, Scientist Mat Management SCS United States Soil Conservation Microbiol Microbiologist, Microbiology

Micros Microscopist Mkt(s) Market(s) Secon

Secondary Marketing Mkta Sect(s) Section(s) Morphol Morphologist, Morphology Secv Secretary Serologist, Serology Serol Mount, Mountain

Mycol Serv Service(s) Mycologist, Mycology Silvic Silviculture, Silviculturist Natl National

Sociologist, Sociology Nematologist, Nematology Sociol Nematol Special, Specialist(s) Nutr Nutrition, Nutritionist Spec Obstetrical, Obstetrics Saint Obstet St Sta(s) Occup Occupational Station(s)

Off Office, Officer(s) Statis Statistical, Statistician, Statistics Stud Student(s)

Oler Olericulture, Olericulturist Subi Subject Operating, Operation(s), Operator Oper Substa(s) Substation(s)

Organ Organization(s) Ornamental(s) Supt Superintendent Omam Ornith Ornithologist, Ornithology Supvr Supervisor, Supervisory Parasitol Parasitologist, Parasitology Surg Surgeon, Surgery Survey, Surveyor Pathological, Pathologist, Pathology Surv

Path Pedol Pedology Syst System, Systematist Taxon Taxonomist, Taxonomy Per Periodical Pers Personnel Tchr Teacher

Tech Technical, Technician(s) Pharm Pharmaceutical, Pharmacist, Pharmacy Technol Technologist, Technology Pharmacol Pharmacologist, Pharmacology Photog Photographer, Photography Tel Telephone

Physical, Physicist, Physics Telea Telegraph Phys Physiol Physiological, Physiologist, Physiology Text Textile(s) Ther Therapy Phytopath Phytopathologist, Phytopathology

Tobacco Phytophysiol Phytophysiologist, Phytophysiology Toh PΩ Post Office Toxical Toxicologist, Toxicology

Pomological, Pomologist, Pomology Treas Treasurer Pomol

Practical, Practice(s) Tmr Trainer Pract ΤV Television Pres President

TVA Tennessee Valley Authority Preserv Preservation

Prev Preventive Univ University Prin Principal USDA United States Department of Agriculture

Proc USDC United States Department of Commerce Process(es), Processing Product(s), Production Prod(s) USDI United States Department of the Interior United States Public Health Service HISPHS Prof Professional, Professor

Prog Program(s) Util Utilities, Utility, Utilization Vegetable(s), Vegetation Veterinarian, Veterinary Proj Project(s) Veg Psychol Psychological, Psychology Vet

Virologist, Virology Virol Point Ρt Pub(s) Publication(s) Vis Visual Radiat Radiation Vitic Viticultural, Viticulture, Viticulturist

Radiobiol Radiobiology Vocat Vocational

Radiochem Radiochemistry YMW Young Men and Women

Radiol Radiology Zoological, Zoologist, Zoology Zool

Rea Registrar Zoophysiol Zoophysiology

Relat Related, Relations, Relationships

Res Research, Researcher \*This list is not complete. New abbreviations are added Rpt(s) Report(s) each year by various schools, and it is impossible, in the

time available for producing each Directory, to detect all RR Railroad Rte Route new abbreviations and add them to the list.

Sanit Sanitarian, Sanitary, Sanitation

# PREFACE

The following explanations apply throughout the publication:

Subject-matter workers in extension are generally shown under the respective department or division of the college.

Certain institutions use the academic title for experiment station workers as well as for personnel engaged solely as teachers.

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Poultry Science 500		
12B L REID PhD Prof and Head of Dept		
2R D HENDERSHOTT MS Asst in Poult Sci Nutr	Forestry 5.	47
12H B HINDS MS Assoc Prof Prod	1C O MINOR DF Dean Sch of For 1M B APPLEQUIST DF Prof of Silvic	
3F D ROLLINS PhD Ext	1D W BERRY PhD Assoc Prof Ecol	
12C W WEBER PhD Asst Prof Nutr	1R L BURY PhD Assoc Prof Recr	
	1L D LOVE PhD Lect in For Range	
Mr. A. A	IW P THOMPSON DF Assoc Prof Econ	
Watershed Management 520	IGLENN VOORHIES FE Asst Prof Wood Technol	
12J H EHRENREICH PhD Prof and Head of Dept	1D E WOMMACK PhD Assoc Prof For Genet	
5D R CABLE MS Collab Range Mgt 12A R CROFT MS Visiting Prof Watershed Mgt		
5R P CROUSE MS Collab Watershed Econ	4	
3B N FREEMAN MS Ext Range Mgt	ARKANSAS	
5L P HAMILTON MS Mgr Plant Mater Center Range Mgt	Division of Assignature (Assignated to	
5H M HULL PhD Collab Plant Physiol	Division of Agriculture (Agricultural Experiment Station, Agricultural Extension Service, and College of Agri	
1R R HUMPHREY PhD Prof Emeritus Range Ecol	culture and Home Economics) of the University of	1-
2G L JORDAN PhD Asst Range Mat Spec Range Ecol	Arkansas, Fayetteville 72701	
12D A KING PhD Assoc Prof for Recreation		
12J O KLEMMEDSON PhD Prof Range Ecol	1College Staff 2Station Staff 3Extension Staff	
12P N KNORR PhD Prof Econ and Mgt 12A C MACE Jr MS Instr Watershed Mgt	4Leave of Absence 5Coop USDA	
5S C MARTIN PhD Collab Range Mgt		
2M L MAYNARD MS Res Assoc Range Mgt	100D W MULTING DUD. D.	Ю
12P R OGDEN PhD Assoc Prof Range Mgt	123D W MULLINS PhD Pres	
2R L RAWLES BS Asst in Res Range Mgt	123J W WHITE PhD Vice Pres for Agr (Tel 501 Hillcrest 3-4511 Ext 541)	
12E M SCHMUTZ PhD Assoc Prof Range Mat	2E M CRALLEY PhD Dir of Agr Expt Sta (Tel 501	
5T F SPALLER BS Asst Plant Mater Center Range Mat	Hillcrest 3-4511 Ext 543)	
2W J STAGGS Asst in Hydrology	16 W HARDY PhD Dean of Col of Agr and Home Econ	
12J L THAMES MS Assoc Prof Watershed Hydrology	(Tel 501 Hillcrest 3-4511 Ext 542)	
2J M TROMBLE MS Res Assoc Watershed Hydrology	3C A VINES BS Dir of Agr Ext Serv (PO Box 391	
12R F WAGLE PhD Assoc Prof Silvic 5E P YOUNG BS Asst Mgr Plant Mater Center	Little Rock 72203, Tel 501 Franklin 5-7321)	
Range Mat	123J W WOODY BS Treas	
12M J ZWOLINSKI PhD Asst Prof Watershed Mgt	Agronomy 56	
for nateralied inigi	12D A HINKLE PhD Prof Soil Fert and Head of Dept	U
	3DONALD ADAMS MS Ext Soils Spec (PO Box 391	
W. W	Little Rock)	
Miscellaneous 530	3M F APPLEBERRY BSA Ext Area Agron—Cotton	
2D C AEPLI Form Spec Field Crops (PO Mesa)	(PO McGehee 71656)	
1F R BARRECA BA Dir of Radio-TV Bur	2R D BARNETT BSA Res Asst Field Crops	

560-590

ARKANSAS Animal Science-Continued Agronomy-Continued 12L T PATTERSON PhD Asst Prof Anim Microbiol 12D A BROWN PhD Prof Soil Chem 12J L PERKINS PhD Asst Prof Anim Husb 25G W CATHEY MS Res Tech Field Crops 12E H PETERSON DVM PhD Prof Poultry Path 12C E CAVINESS PhD Assoc Prof Soybean Brdg 2H P PETERSON DVM Asst Prof Dairy Physiol 12A M DAVIS PhD Prof Crop Mgt 3W F POTTS MS Ext Area Dairyman (PO Box 391 2R H DILDAY BSA Res Asst Plant Brdg Little Rock) 3B F FORD MS Area Agron-Cotton (PO Jonesboro) 3LANTIS RATCLIFF PhD Ext Dairyman (PO Box 391 12R E FRANS PhD Prof Weed Control Little Rock) 2T M FULLERTON MS Res Asst Pasture and Turf 12J M RAKES PhD Assoc Prof Dairy Brdg 25M D HARPER MS Soil Classif 12M L RAY PhD Prof Beef Cattle Nutr 2L H HILEMAN MS Asst Agron Soil Fert 2C W HOGUE BSA Res Asst Pasture and Turf 2FRANK SCARAMUZZA BSA Res Asst Cattle Brdg 2R A SELPH BSA Res Asst Anim Husb 12M E HORN PhD Assoc Prof Soil Genesis and 12R M SMITH MS Prof Poultry Husb Mineralogy 120 T STALLCUP PhD Prof Dairy Physiol and Nutr 12P W WALDROUP PhD Asst Prof Poultry Nutr 12CHARLES HUGHES MS Asst Prof Crop Mgt 2H J HUNEYCUTT BSA Res Asst Pasture and 2R F WARD BSA Res Asst Dairy Husb Forage Crops 2Mrs SARA K WILKERSON BS Res Asst Vet Sci 2D L JOHNSON BSA Res Asst Field Crops 3RALPH WILLIAMS PhD Ext Dairyman (PO Box 391 2J L KEOGH PhD Assoc Agron Soil Fert (PO Marianna) Little Rock) 2DONALD KILLION MS Res Asst Weed Control 3J T WOOD BS Eastern Ark Livestock Spec (PO 2RICHARD MAPLES MS Asst Agron Soil Fert (PO Marianna) Marianna) 3W N MILEY PhD Ext Soils Spec (PO Box 391 Economics (Agr) and Sociology (Rural) Little Rock) 12H J MEENEN PhD Prof Agr Fin and Head of Dept 2C L MURDOCH PhD Res Assoc Turf 3T E ATKINSON MS Ext Econ (PO Box 391 3R P NESTER MS Ext Agron (PO Box 391 Little Rock) Little Rock) 12M S OFFUTT PhD Prof Legume Brdg 2J R BALLARD BSBA Res Asst Prod Econ 12G A PLACE PhD Asst Prof Soil Chem 25R D BASS MS Agr Statis (PO Box 1417 Post Office 2SAM PORTCH MS Res Asst Soil Fert Bldg Little Rock) 2B D PRESLEY BS Res Asst Water Res 12C R BERRY PhD Assoc Prof Mktg 2W E SABBE PhD Asst Prof Soil Fert 2M M SCKERL MS Res Asst Weed Control 2H R SMITH BSA Res Asst Weed Control 12A E SPOONER PhD Prof Pasture and Forage Crops 2J W SPOTTS BS Res Asst Soil Classif 2R E TALBERT PhD Asst Prof Weed Control
12L F THOMPSON PhD Assoc Prof Soil Fert 12B A WADDLE PhD Prof Cotton Brdg 2W S WATSON Jr BSA Res Asst Crop Mgt 3H W WELLHAUSEN MS Ext Agron (PO Box 391 Little Rock) Little Rock) 2DARELL WIDICK BS Res Asst Forage Crops 3W E WOODALL BSA Ext Cotton Spec (PO Box 391 Little Rock) 2J O YORK PhD Assoc Prof Grain Brdg Smith) 570 **Animal Sciences** Box 391 Little Rock) 12E L STEPHENSON PhD Prof Nutr and Head of Dept 2W G AKERS BSA Res Asst Poultry Path 12L D ANDREWS MS Asst Prof Poultry Brdg Little Rock) 2C A BAUGUS MS Res Asst Swine 12J N BEASLEY DVM PhD Prof Path 2D B BRAGG MS Res Assoc Poultry Nutr 12C J BROWN PhD Prof Anim Brdg 2MRS BARBARA A CANNON BSHE Res Asst Beef Cattle Nutr 2W T COLE MS Res Asst Dairy Husb 2G V DAVIS BSA Res Asst Dairy Nutr 2Mrs JANICE I FLOYD BA Res Asst Poultry Nutr 2E M FUNDERBERG BS Res Asst Anim Husb 391 Little Rock) 12E R GARRISON PhD Prof Dairy Mfg 12T L GOODWIN PhD Assoc Prof Poultry Prod Little Rock) 12N R GYLES PhD Prof Poultry Brdg 12G C HARRIS PhD Assoc Prof Poultry Physiol 12M C HECK MS Asst Prof Meats 2R S HONEA MS Res Asst Anim Husb 120 H HORTON PhD Prof Dairy Nutr 2Mrs ZELPHA JOHNSON BS Res Asst Anim Sci

3L T LANGFORD MS Ext Poultryman (PO Box 39)

2P K LEWIS Jr PhD Assoc Prof Biochem Meats

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2C C MELTON MS Res Asst Anim Brdg

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Little Bock)

Little Rock)

3C E LUEKER PhD Ext Anim Husb (PO Box 391

2ROBERT BLACKMON BSA Res Asst Mktg 2Mrs KAROL B BUDD MS Instr Rural Social 12D F CAPSTICK MS Asst Prof Prod Econ 12J L CHARLTON PhD Prof Rural Social 3W C CUMMINGS MS Ext Resource Devlpmt Spec (PO Box 391 Little Rock) 2N G DUNNUCK MS Instr Mktg 25B L GREEN PhD Coop Agt Econ Devlpmt 12W A HALBROOK MS Asst Prof Prod Econ 3E H HARMS MS Ext Farm Mgt Spec (PO Box 391 25J B HOTTEL MS Coop Agt Prod Econ 12G T HUDSON PhD Prof Rural Social 12HILLIARD JACKSON PhD Prof Prices and Mktg 25E A JOHNSON BS Agt Mkt News (PO Box 10 Fort 3R H JOHNSON MS Ext Resource Devipmt Spec (PO 25MAX JORDAN PhD Coop Agt Econ Devlpmt 3J O KUMPE Sr BSA Ext Farm Mgt Spec (PO Box 391 2D G LAFFERTY MS Asst Prof Mktg 3R E LAMBERT MS Ext Mktg Spec Fruits and Veg (PO Box 391 Little Rock)
3L L LOONEY MS Ext Resource DevIpmt Spec (PO (PO Box 391 Little Rock) 3C R MOORE MS Ext Econ (PO Box 391 Little Rock) 12W R MORRISON PhD Assoc Prof Mktg and Policy 25TROY MULLINS PhD Coop Agt Prod Econ 3J R OTT MS Ext Resource Devlpmt Spec (PO Box 3A L OWEN MS Ext Livestock Mktg Spec (PO Box 391 2CARTER PRICE PhD Asst Prof Mktg 3J D SHULTS MS Ext Resource Devipmt Spec (PO Box 391 Little Rock) 25L D THOMPSON BS Agt Mkt News (PO Univ of Ark Center Little Rock) 3J C URBON MS Ext Social (PO Box 391 Little Rock) 3D R WALLACE BS Ext For Prods Mktg Spec (PO Box 391 Little Rock) 12J H WHITE PhD Assoc Prof Farm Mgt and Prod Econ 3LEARRIE WHITE MS Ext Farm Mgt Agt (PO Box 391 Little Rock) 3J B WILLIAMS MS State Resource Devlpmt Spec (PO Box 391 Little Rock) 12W J WINDHAM MS Asst Prof Mktg 3A W WOODARD PhD Ext Mktg Spec (PO Box 391 Little Rock)

590

600-660 ARKANSAS

2Mrs MARIE L LAVALLARDMS Sta Ed

- 3D E RYKER BS Ext Ed (PO Box 391 Little Rock) 3J H BEMIS Jr BA Asst Ext Ed (PO Box 391 Little Rock)
- 2J D HARWOOD BS Asst Sta Ed
- 3D G McMILLAN BAJ Asst Ext Ed (PO Box 391 Little Rock)
- 3J L PHILPOT BSA Asst Ext Ed (PO Box 391 Little Rock)
- 3J G RODGERS MA Asst Ext Ed (PO Box 391 Little Bock)

# Education (Agr and Home Econ) (Col of Educ)

1D B HUTSON EdD Prof Agr Educ and Head of Dept 1Mrs AVA GRAY MS Asst Prof Home Econ Educ

1E L LOVE MS Asst Prof Agr Educ

1R W ROBERTS Phd Prof Agr Educ

1Mrs BEULAH WHORLEY MS Assoc Prof Home Econ

# Engineering (Agr)

12B B BRYAN MSAE Prof Soil and Water and Acta Head of Dept

2G W BAKER BSBA Res Asst Soil and Water

12R H BENEDICT MSAE Prof Elec Power and Proc 3R C BENZ MS Ext Agr Engin (PO Box 391 Little

1T E DUNCAN MEd Assoc Prof Power and Mach

124KYLE ENGLER MSAE Prof Soil and Water
2J A FERGUSON MSCE Asst Prof Water Resources

3J L GATTIS MS Ext Agr Engin (PO Box 391 Little

2W S HARRIS MSAE Asst Prof Soil and Water 2J P HOSKYN MSCE Res Assoc Water Resources

12XZIN McNEAL MA Prof Structures

12E J MATTHEWS MSAE Assoc Prof Power and Mach 2G S NELSON MSAE Asst Prof Elec Power and Proc 124T R C ROKEBY MS Prof Structures

3HAROLD WATSON MSAE Ext Agr Engin-Cotton Ginning and Mktg (PO Box 391 Little Rock)

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12CHARLES LINCOLN PhD Prof Agr Ent and Head of Dent

3GORDON BARNES MS Ext Ent (PO Box 391 Little :Rock)

23W P BOYER MS Surv Ent Insect Pests

2GERALD DEANBSA Res Asst Agr Ent

2B A DUMAS BSA Res Asst Agr Ent

2R E EVERETT BSA Res Asst Livestock Pests

2R M KIRKTON MS Asst Prof Taxon and Insect

12J L LANCASTER Jr PhD Prof Livestock Pests

2R L MAYES MS Res Asst Agr Ent

2R M McCANN BS Res Asst Grape Insects

12F D MINER PhD Prof Agr Ent

2J R PHILLIPS PhD Asst Prof Insect Pests (Cotton)

3J E ROBERTS PHD Ext Ed

2E P ROUSE MS Res Asst Taxon

2JOSEPH SIMCO MS Res Asst Livestock Pests 2J W STEWART BA Res Asst Insect Pests (Cotton)

2RANDALL TAYLOR BS Res Asst Agr Ent

2N P TUGWELL PhD Asst Prof Agr Ent

12L O WARREN PhD Prof For Insects and Apic

12W H WHITCOMB PhD Prof Insect Control and Taxon 2M T WINGFIELD BSA Res Asst For Insects

12W D WYLIE PhD Prof Insect Physiol

2W C YEARIAN PhD Asst Prof Insect Control

# Extension Administration

3C A VINES BSA Dir (PO Box 391 Little Rock)

3K S BATES MS Asst Dir (PO Box 391 Little Rock) 3T R BETTON MA Agr Agt (PO Box 391 Little Rock) 3RUNYAN DEERE PhD Dist Agt (PO Box 391

Little Rock)

## 600 Extension Administration- Continued

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3W H FREYALDENHOVEN MS Dist Agt (PO Box 391 Little Rock)

3E A HANSENMS Dist Agt (PO Box 391 Little Rock) 3A L HOLLEY PhD State Agt (PO Box 391 Little Rock) 3BYRON HUDDLESTON MS Dist Agt (PO Box 391 Little Rock)

3BRINGLE JENNINGS BSA 4-H Club Agt (PO Box 391 Little Rock)

3Mrs HAZEL C JORDAN MS State Home Demon Agt (PO Box 391 Little Rock)

3FRANCILLE KILLION MS Dist Home Demon Agt (PO Box 391 Little Rock)

3MABELKING MS Dist Home Demon Agt (PO Box 391 Little Rock)

3D S LANTRIP MS State 4-H Club Agt (PO Box 391 Little Rock)

3W R PERKINS MS Dist Agt (PO Box 391 Little Rock) 3L L PHILLIPS MS 4-H Club Agt (PO Box 391 Little

3Mrs DOROTHY P SITTON MS DistHome Demon Agt (PO Box 391 Little Rock)

3Mrs DORRIS C VICK MS Dist Home Demon Agt (PO Box 391 Little Rock)

3D F WALTERS MS Exec Asst (PO Box 391 Little Rock)

3Mrs MARGUERITE P WILLIAMS BSHE Home Demon Agt (PO Box 391 Little Rock)

3U G WORD Jr PhD 4-H Club Agt (PO Box 391 Little Rock)

# Forestry-See Horticulture and Forestry

# Home Economics

620

630

640

650

12EVELYN M COX PhD Prof and Head of Dept 3ETHEL BENNETT BSE Ext Spec Related Arts and Crafts (PO Box 391 Little Rock)

1Mrs MARY M BURTON MS Assoc Prof Fam Relat 2S CATHERINE CARROLL PhD Prof Nutr 1Mrs MARY E COTTON DEd Asst Prof Clothing 1Mrs BETHEL CUNNINGHAM MS Instr Nutr

3ELIZABETH ELLIS MS Ext Home Mgt Spec (PO Box 391 Little Rock)

1VIRGINIA FERGUSON MS Asst Prof Home Mgt 1Mrs SHIRLEY FRIEND MS Instr Clothing

2Mrs ELIZABETH B GAERTNER MS Res Asst Nutr 3Mrs CORA L GUTHRIDGE MS Ext Clothing Spec (PO Box 391 Little Rock)

3Mrs JUANISE JOHNSON MS Ext Home Furnishings Spec (PO Box 391 Little Rock)

3Mrs MESCAL JOHNSTON MS Ext Food Mktg Spec (PO Box 391 Little Rock)

3Mrs FRANCES W JONES MS Ext Human Relat Spec (PO Box 391 Little Rock)

1Mrs EULA M NOYCE RN BSN Asst Prof Nursing 3BLANCHE RANDOLPH MS Ext Nutr (PO Box 391 Little Rock)

1Mrs LORENE A RAYMOND MS Asst Prof Nutr 3EVELYN SEVERSEN MS Ext Housing Spec (PO Box 391 Little Rock)

1 Mrs MARIAN C SPEARS MS Asst Prof Inst Mgt 3Mrs CRYSTOL C TENBORG MS Ext Home Mgt Spec (PO Box 391 Little Rock)

3ESTHER TENNYSONMS Ext Home Mgt Spec (PO Box 391 Little Rock)

# Horticulture and Forestry

660

12V M WATTS PhD Prof Plant Brdg and Head of Dept

3E J ALLENMS Ext Hort

3J K BALL MS Ext Hort (PO Box 391 Little Rock)

12J L BOWERS PhD Prof Plant Brdg

12G A BRADLEY PhD Prof Nutr 2E D BROWN BS Res Asst Small Fruit Brdg

2S A BROWN BS Res Asst Tree Fruits

2R L DYCK MS Res Asst Nutr

ARKANSAS 660-750

forticulture and Forestry-Continued	Rice Br Expt Sta PO Stuttgart—
12J W FLEMINGS MS Assoc Prof Chem 12A A KATTAN PhD Prof Plant Physiol and Food	2F J WILLIAMS MS Asst Dir in Chg
Technol	2KOEVANS MS Res Asst
12A T McDANIEL MS Instr Silvic	2W T FOX BS Res Asst
12JOE McFERRAN PhD Prof Plant Brdg	2S E HENRY BSA Res Asst
12F M MEADE MF Prof Silvic	25T H JOHNSTON PhD Rice Brdg 25R J SMITH Jr PhD Weed Control (Rice)
2J N MOORE PhD Assoc Prof Plant Brdg	2B R WELLS PhD Asst Prof Soil Fert
3J R MORRIS MS Ext Hort Proc Spec 2D M PHARR BSA Res Asst Plant Physiol and Food	Southeast Br Expt Sta PO Rohwer—
Technol	2K B SMITH MS Asst Dir in Chg
2Mrs CAROLYN S QUALLS BSHE Res Asst Food	2G M BEST BSA Res Asst
Technol	20 D MEDLEY BSA Res Asst
	2P A SHOCKLEY BSA Res Asst Southwest Br Expt Sta PO Hope—
12R C ROMPhD Assoc Prof Nutr and Mgt	2C M BITTLE MS Asst Dir in Chg
23C S SANTIFER BS Res Asst and Area Hort Spec (PO Warren 71671)	2C E DANIELS BS Res Asst
12W A SISTRUNK PhD Assoc Prof Food Technol and	2R W PARHAM MS Res Asst
Proc	Beef Substa PO Newport—
3W L SMILEY MF Ext Forester (PO Box 391 Little	2W T WALLACE MS Res Asst in Chg
Rock)	Delta Substa Po Clarkedale—  2WALLACE WILLIAMS BSA Res Asst in Chg
2J E VAILE PhD Prof Nutr and Mgt	Fruit Substa PO Clarksville—
	2C J WESTBROOK BSA Junior Hort in Chg
Plant Pathology 670	Peach Substa PO Nashville-
12D A SLACK PhD Prof Nematol and Head of Dept	2E H ARRINGTON BSA Junior Hort in Chg
25KATHARINA BOLLENBACHER MA Cotton Dis	Strawberry Substa PO Bald Knob-
2D E CHRISTIAN BS Res Asst Cotton Dis	2H L BOWDEN BSA Res Asst in Chg Vegetable Substa PO Van Buren—
12J L DALE PhD Prof Corn and Grass Dis	2H H VOSE MS Asst Hort in Chg
2T L DODSON Res Asst Fungicides 26D A DOWNEY MS Coop Agt USDC—Meteorology	2W A MULKEY BSA Res Asst
12J P FULTON PhD Prof Virol	
12N D FULTON PhD Prof Cotton Dis	
12M J GOODE PhD Prof Veg Dis	Agricultural, Mechanical and Normal College, Pine
2M L HAMBLEN MS Res Asst Nematol	Blu//
12J P JONES PhD Prof Cereal Dis 3M C McDANIEL MS Ext Plant Path (PO Box 391	
Little Rock)	700
12J M McGUIRE PhD Assoc Prof Nematol	L A DAVIS EdD Pres (Tel 501 JE5-6700 Ext 272)
12R D RIGGS PhD Assoc Prof Nematol	S J PARKER PhD Dean Div of Agr and Technol
2NADA SAUER MS Res Asst Nematol	(Tel 501 JE5-6700 Ext 234) GDKYLE PhD Dean of Admin
2W K SHOFNER BSA Res Asst Strawberry Dis 12G E TEMPLETON PhD Assoc Prof Rice Dis	O R HOLICAY MS Dir Agr
12H J WALTERS PhD Prof Virol	O R HOLICAT IND BAT 759
12C L WILSON PhD Assoc Prof Tree Dis	
	Agricultural Economics 710
Miscellaneous 680	Agricultural Economics /10  J A GORDAN MS Assoc Prof Agr Econ and Form Mar
Miscellaneous 3D L GRAY BS Ext Fish and Wildlife Spec	1 A GOLDMA MP. Appet 1 tot 1/dt Feet from 11/2
(PO Box 391 Little Rock)	
3R B HALLMARK MS Ext Rural Civil Defense Spec	
(PO Box 391 Little Rock)	Agricultural Education 720
3H R HURST MS Ext Agr Chem Spec (PO Box 391	R C HAYNIE MS Asst Prof Agr Educ and Head Teach-
Little Rock) 3DAVID IBSEN DVM Ext Vet (PO Box 391 Little Rock)	er Trainer
3G F METZLER MS Ext Recreation Spec (PO Box 391	
Little Rock)	
3G L MORRIS MS Area Agr Chem Spec (PO Jonesboro)	Agricultural Mechanics 725
3J D NETHERTON MS Ext Educ Spec	JM CHEATHAM MS Assoc Prof Agr Mech
12WANDA C PRINGLE MS Libr	
3H H ROBERTS MS Area Agr Chem Spec (PO McGehee 71656)	
/1030/	Agronomy and Soils 730
(00	D J ALBRITTON PhD Prof Agron and Agr Chem
Branch Stations and Substations Cotton Br Expt Sta PO Marianna—	
Cotton Br Expt Std PO Mandialia—	
2J L DAMERON BSA Asst Dir in Chg	Animal and Dairy Husbandry 735
2T J ASHLEY BSA Res Asst	OR HOLIDAY MS Prof Anim and Dairy Husb
2K F HARRISON MS Res Asst  2MAURICE HOLLIDAY BSA Res Asst	
25C A MOOSBERG MS Cotton Brdg	
2R M SMITH Jr BSA Res Asst	Horticulture 740
Livestock and For Br Expt Sta PO Batesville-	S J PARKER PhD Prof of Hort
2C E MABRY Jr MS Asst Dir in Chg	
2C J FLYNN BS Res Asst	
Northeast Br Expt Sta PO Keiser— 2M H TAYLOR MS Actg Asst Dir in Chg	
2G D HALL BSA Res Asst	Poultry Husbandry 750
2A L SIMS BSA Res Asst	I S REID MS Assoc Prof Poultry Husb

# CALIFORNIA

Division of Agricultural Sciences (Agricultural Experiment Station, Agricultural Extension Service, College of Agriculture, School of Forestry, School of Veterinary Medicine, and Department of Home Economics) of the University of California

1College staff 2Station staff 3Extension staff 5Coop USD A

760

ICLARK KERR PhD LLD Pres of Univ Universitywide (PO Berkeley) 94720

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765

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Biochemistry (Agr)

770

2H A BARKER PhD Microbiol 2R D COLE PhD Biochem Endocrinol 2W T JENKINS PhD Asst Biochem Mechanisms Enzymes 2J B NEILANDS PhD Biochem Intermediary Metabolism 2J C RABINOWITZ PhD Biochem Mechanisms Enzymes

Cell Physiology

780 12D I ARNON PhD Prof Biochem and Chmn of Dept 12B B BUCHANAN PhD Lect Microbiol 2M C W EVANS PhD Assoc Spec Photosynthesis

12J I TOOHEY PhD Lect Biochem 2H Y TSUJIMOTO BS Assoc Spec Photosynthesis

Economics (Agr)

12L L SAMMET PhD Prof and Chmn of Dept and Dir of Giannini Foundation of Agr Econ 12J N BOLES PhD Assoc Prof Agr Statis 12R G BRESSLER Jr PhD Prof Agr Mktg 12D A CLARKE Jr PhD Prof Agr Mktg 12J D COFFEY PhD Asst Prof Prod Econ DevIpmt 12N R COLLINS PhD Assoc Prof Agr Mktg 12VARDEN FULLER PhD Prof Agr Mktg 25L R GRAY MA Spec Exp Sta Agr Econ

Economics (Agr)- Continued

12S S HOOS PhD Prof Agr Mktg 12G M KUZNETS PhD Prof Agr Statis 121 M LEE PhD Prof Agr Statis 12DAVIS McENTIRE PhD Lect Rural Social 124G L MEHREN PhD Prof Agr Mktg 12A J ORTEGO Jr MS Lect Agr Mktg 2Mrs MIRIAM A REVZAN PhD Asst Spec Agr Mktg 2ELEANOR L STEFFEN AB Asst Spec Agr Mktg 12J B STEVENS PhD Asst Prof Natural Resources Econ 12S V WANTRUP DAgr Prof Natural Resources

12I J HOCH PhD Assoc Prof Agr Statis Policy

Entomology and Parasitology

800

12R F SMITH PhD Prof Agr Ent and Chmn of Dept 12D D JENSEN PhD Prof Ins Vectors Plant Viruses and Vice Chmn of Dept

BIOLOGICAL CONTROL

12R L DOUTT PhD LLB Prof Parasitic Hymenoptera and Chmn of Div

25L A ANDRES PhD Assoc Biol Control Weeds 12L E CALTAGIRONE PhD Lect Biol Control Fruit Pests

12D L DAHLSTEN PhD Lect Forest Ins 2G L FINNEY Spec Culture Entomophagus Ins

25K E FRICK PhD Assoc Biol Control Weeds
12K S HAGEN PhD Lect Physiol Entomophagus Ins

25R B HAWKES MS Assoc Biol Control Weeds

12C B HUFFAKER PhD Prof Biol Control Weeds 2C E KENNETT BS Assoc Spec Biol Control Weeds 12P S MESSENGER PhD Prof Ins Ecol

12ROBERT VAN DEN BOSCH PhD Lect Biol Control Field Crop Pests

ENTOMOLOGY AND ACAROLOGY

12R L USINGER PhD Prof Systematic Ent and Chmn of Div

12W W ALLEN PhD Lect Agr Ent 12J E CASIDA PhD Prof Toxicol 12RODERICK CRAIG PhD Prof Physiol

12H V DALY Jr PhD Assoc Prof Morphol and Biomet

2L A FALCON PhD Asst Invertebrate Path 12N W FRAZIER PhD Lect Ins Vectors Plant Viruses

12J H FREITAG PhD Prof Ins Vectors Plant Viruses

12H T GORDON PhD Lect Ins Toxicol 12P D HURD Jr PhD Prof Systematic Ent

12C S KOEHLER PhD Lect Agr Ent 12E G LINSLEY PhD Prof Gen Ent

2LOUIS LYKKEN PhD Assoc Spec Toxicol

12J W MacSWAIN PhD Prof Ins Biol 12W W MIDDLEKAUFF PhD Prof Agr Ent

12T E MITTLER PhD Lect Ins Physiol 12J H OLIVER Jr PhD Asst Prof Accrology

12R L PIPA PhD Assoc Prof Morphol 12G O POINAR Jr PhD Lect Ins Path 12J A POWELL PhD Lect Taxon

12R W STARK PhD Prof For Ent

12ES SYLVESTER PhD Prof Ins Vectors Plant Viruses 12YOSHINORI TANADA PhD Prof Ins Path 12D L WOOD PhD Assoc Prof For Ent

PARASITOLOGY

12D P FURMAN PhD Prof Med Ent and Chmn of Div 12J R ANDERSON PhD Asst Prof Diptera Med Importance 12C J WEINMANN PhD Asst Prof Helminthology

Genetics (Agr) 830 12E R DEMPSTER PhD Prof Anim Genet and Chmn of

Dept 12S W BROWN PhD Prof Anim Genet

12D R CAMERON PhD Prof Plant Genet 12J W FRISTROM PhD Asst Prof Plant Genet

873

Genetics (Agr)-Continued 12I M LERNER PhD Prof Anim Genet 12PATRICIA ST LAWRENCE PhD Assoc Prof Genet Microorganism

IW D Bhown PhD Assoc Prof Protein Biochem

**Nutritional Sciences** 12G M BRIGGS PhD Prof Expt Nutr and Chmn of Dept

840

12Mrs DORIS H CALLOWAY PhD Prof Human Nutr 12Mrs BARBARA KENNEDY [JOHNSON] PhD Assoc Prof Food Quality 12M A JOSLYN PhD Prof Food Technol and Chem 1J T LANDIS PhD Prof Fam Sociol
12R L LYMAN PhD Assoc Prof Lipids and Food Util 12GORDON MACKINNEY PhD Prof Pigments and Food

Sci 12SHELDON MARGEN MS MD Prof Clin Nutr

12Mrs VIRGINIA R McMASTERS MS Lect Inst Mgt 12D B MENZEL PhD Asst Prof Food Tech and Chem
1H S OLCOTT PhD Prof Marine Food Sci 12Mrs ROSEMARIE OSTWALD PhD Asst Prof Lipid

Metabolism 12E L R STOKSTAD PhD Prof Vitamin Chem and Metabolism

12MARY ANN WILLIAMS PhD Assoc Prof Vitomin Metabolism

Plant Pathology

850

12W C SNYDER PhD Prof R∞t Dis Fusarium and Chmn

12K F BAKER PhD Prof Root Dis 125R V BEGA PhD Lect Rust Physiol and For Dis 12F W COBB Jr PhD Asst Prof For Dis and Rusts

12A H GOLD PhD Assoc Prof Virol and Serol 12J G HANCOCK Jr PhD Asst Prof Dis Ornam

12J R PARMETER Jr PhD Assoc Prof For Dis Mycol 12R D RAABE PhD Assoc Prof Ornam Dis Control 12D E SCHLEGEL PhD Assoc Prof Virol and Physiol Dis 12M N SCHROTH PhD Assoc Prof Bact Dis and

Physiol Resistance 12S H SMITH PhD Asst Prof Virus Dis

12W N TAKAHASHI PhD Prof Virol and Infection Physiol

12T A TOUSSOUN PhD Asst Prof Root Veg Dis Fusarium 12A R WEINHOLD PhD Assoc Prof Dis Pathogen

Physiol 12STEPHEN WILHELM PhD Prof Verticilium Dis Small

Fruits and Broomrape 12C E YARWOOD PhD Prof Virol Rusts Mildews

Poultry Husbandry

860 12SAMUEL LEPKOVSKY PhD Prof Nutr and Physiol 2Mrs DOROTHY CLOWRY MA Assoc Spec Poultry

Genet 12L W TAYLOR PhD Prof Genet and Physiol

Soils and Plant Nutrition

870

12P R DAY PhD Prof Soil Phys and Chmn of Dept 12R J ARKLEY PhD Lect Soil Morphol 12K L BABCOCK PhD Assoc Prof Soil Chem 12ISAAC BARSHAD PhD Lect Soil Minerology 12P W BIRKELAND PhD Asst Prof Soil Morphol 12T C BROYER BS Prof Plant Physiol 12LOUIS JACOBSON PhD Prof Plant Physiol 12HANS JENNY DSc Prof Soil Chem and Morphol 2C M JOHNSON PhD Chem Plant and Soil 12A D McLAREN PhD Prof Microbiol 12ROY OVERSTREET PhD Prof Soil Chem 2ESTHER P PERRY PhD Spec Soil Mgt 2R K SCHULZ BS Assoc Spec Soil Chem 12ALBERT ULRICH PhD Lect Plant Physiol 2JAMES VLAMIS PhD Plant Physiol 12L J WALDRON PhD Asst Prof Soil Phys 12D E WILLIAMS PhD Lect Soil Chem 2Mrs LUCY T YOUNG PhD Spec Plant Physiol

Ex.ension Service (Agr)

(See also - Davis, Keamey Horticultural Field Station, Los Angles, Riverside) ADMINISTRATION

3G B ALCORN DPA Dir

3A G VOLZ BS Assoc Dir 3R ( MONOSMITH PhD State 4-H Club Leader

3R H COPPOCK BA Inform Prog L Jder

3G P WHITLOCK PhD Prog Leader Fam and Consum Sci

3LUCY M ALLEN MS Prog Leader Ext Educ 3L C BENSON MS Asst State Dir 3LAURA G COOLEY BS 4-H Club Spec

3W M LAWSON PhD Asst State Dir

3AMELIA G SANSOM MS Asst Prog Leader Home Econ

SUBJECT-MATTER SPECIALISTS

3J B BAILEY PhD Ext Pesticide Safety Spec

3R B BRADFIELD PhD Ext Nutr

3Mrs CATHERINE S BRENT BS Ext Communications Spec

3CONSTANCE B BURGESS MS Ext Home Mgt Spec

3B B BURLINGAME MS Ext Econ

3G A CARPENTER PhD Ext Econ

3R PATRICIA COLLINS DSc Ext Nutr

3H M DAIL PhD Ext Communications Spec

3C S DAVIS PhD Ext Ent

3R F DAVIS MS 4-H Club Spec

3J E DIBBLE PhD Ext Ent Technol

3W A DOST BS For Prod Spec

3DOROTHY E DUNCAN MS 4-H Club Spec

3K R FARRELL PhD Ext Econ

3MARIE J FERREE MS Area Home Econ Consum Mktg

3E E GILDEN MS Ext For

3J P GILLIGAN PhD Ext For

3Mrs CHRISTINE C GROPPE MS Ext Nutr

3RUBY D HARRIS EdD Ext Spec in Fam Relat and Leadership Training

3GRACE KAMPEN MA Ext Home Furnishing Spec 3MARGARET F KOHL MA 4-H Club Spec

3A H McCAIN PhD Ext Plant Path 3J W MAMER PhD Ext Econ

3W G MARDERS EdD Ext Spec Admin Studies

3J R MORRISON BA Ext Inform Spec

3Mrs FRANCES R QUINN MS Ext Clothing Spec

3G A ROWE PhD Ext Econ

3D T SCHILD MS Ext Vis Spec

3W G SCHNEEFLOCK MEd 4-H Club Spec

3D JANE SCHOPPE MS Ext Home Furnishing Spec

3J B SIEBERT PhD Ext Econ

3R D SMITH BA Ext Communications Spec

3J E SWIFT PhD Ext Ent

3ERIC THOR PhD Ext Econ

3L T WALLACE PhD Ext Econ

3MADELYN C WILLIAMS MA Ext Clothing Spec

Forestry (Sch of For) ADMINISTRATION

875

12J A ZIVNUSKA PhD Deam of Sch of For and Assoc

Dir of Sta Prof and Chmn of Dept and Dir of Wildland Res Center (145 Mulford Hall Berkeley Tel Area Code 415-845-6000 Ext 3765) 94720

12A B ANDERSON PhD Lect Biochem 12H H BISWELL PhD Prof Plant Ecol

12D L. BRINK PhD Lect For Prods Chem 12PAUL CASAMAJOR MF Lect For Mgt

12R A COCKRELL PhD Prof Wood Technol

12R N COLWELL PhD Prof Silvic 12J D CUMMING PhD Lect Wood Technol

12F E DICKINSON PhD Prof and Dir of For Prods Lab

12R F GRAH PhD Prof For Mgt

12H F HEADY PhD Prof Plant Ecol

12J A HELMS PhD Asst Prof Silvic 12W J LIBBY Jr PhD Asst Prof For Genet

12J E MARIAN DTechSci Lect Wood Technol 12W L M McKILLOP PhD Asst Prof For Econ

12HELMUTH RESCH DAgr Asst Prof Wood Technol

875-920 CALIFORNIA

Forestry (Sch of For) - Continued 12H C SAMPERT MF Lect For Mgt		'Agronomy- Continued
12A P SCHNIEWIND PhD Prof Wood Technol		2J E RUCKMAN BA Chem Lab
12A M SCHULTZ PhD Prof Ecol		12C W SCHALLER PhD Prof Genet Cereal 12D G SMELTZER PhD Lect Genet Sorghum and Corn
12E C STONE PhD Prof Silvic		Brdg
12D E TEEGUARDEN PhD Asst Prof For Mgt		25E G SMITH BS Agron Cotton
12H J VAUX PhD Prof For Econ 1M L WHITE PhD Asst Prof For Zool		12F L SMITH PhD Prof Genet Bean Brdg
12W W WILCOX PhD Lect For Prods Pathol		250 E SMITH PhD Plant Physiol Cotton 12E H STANFORD PhD Prof Genet Alfalfa
12EUGENE ZAVARIN PhD Lect For Prods Chem		2D C SUMNER BS Agron Forage Crops
12P J ZINKE PhD Assoc Prof For Soils		25C A SUNESON MS Genet Cereals
		2C L TUCKER BS Genet Brdg Lima Bean
Davis		25J H TURNER MS Genet Cotton
ADMINISTRATION	878	25V T WALHOOD PhD Plant Physiol Cotton 12C H E WERKHOVEN PhD Lect Soil Fert
12Jd MEYER PhD Dean Colof Agrand Assoc Dire	of Sta	12W A WILLIAMS PhD Prof Int'l Agric Programs
(PO Davis Tel Area Code 916-753-4011 Ext 547	7)	Plant Physiol Forage
95616 12T A NICKERSON PhD Assoc Dean Col of Agr		Legumes and Cover Crops
12GLENN R HAWKES PhD Assoc Dean Family and Consumer Sci		12F P ZSCHEILE Jr PhD Prof Biochem Dis Resistance
12HO WALKER EdD Asst Dean Colof Agr		Animal Husbandry 910
		12HUBERT HEITMAN Jr PhD Prof Chmn Dept Nutr
Agricultural Practice		Swine
12H O WALKER EdD Lect and Chmn of Dept Agr	880	12R L BALDWIN Jr PhD Asst Prof Biochem Metabolism
2G F HANNA MEd Agr Pract Farm Mach		Control Mech 12J M BODA PhD Prof Compar Physiol Rummant
2G E RAPP MEd Agr Pract Summer Placement		Endocrinal and Metabolism
		12G E BRADFORD PhD Assoc Prof Genet Genotype
Agricultural Toxicology and Residue Research		Environment Interaction
Laboratory	890	12F D CARROLL PhD Prof Nutr Meat 12M T CLEGG PhD Assoc Prof Compar Physiol
12G F STEWART PhD Prof and Chmn of Dept		Endocrine Mech in Growth and Reproduction
2H F BECKMAN PhD Anal Chem Pesticides		12H H COLE PhD LLD Prof (Emeritus) Physiol Bloat
12D G CROSBY PhD Lect in Food Sci Technol		Reproductive Endocrinal Recalled
Toxicol Chem Toxicol of Pesticides 12W W KILGORE PhD Lect in Food Sci and Tech		12P T CUPPS PhD Prof Physiol Reproductive
Biochem Pesticides		Endocrinol  12A S FRASER PhD Prof Genet Population
2W L WINTERLIN MS Residue Anal		12W N GARRETT PhD Assoc Prof Nutr Environment
		Studies
Agronomy	900	12I I GESCHWIND PhD Prof Brochem Protein Hormones
12R M LOVE PhD Prof and Chmn of Dept Cytogenet	700	12HAROLD GOSS PhD Prof Biochem Nutr (Emeritus) 12P W GREGORY DSc Prof Genet Bovine Achondroplasia
Range Plants Ecology		Recalled Recalled
25G H ABEL MS Agron Indus Crops		12H F HINTZ PhD Asst Prof Anim Nutr
12F T ADDICOTT PhD Prof Plant Physiol Cotton 12R W ALLARD PhD Prof Genet Brdg Lima Bean		12C E HOWELL MS Prof Anim Husb Horses (Emeritus)
2D M BASSETT PhD Plant Physiol Cotton		2J L HULL MS Nutr Irrig Pasture 12MAX KLEIBER DSc Prof (Emeritus) Nutr Intermediary
25B H BEARD PhD Genet Fiber Crops		Metabolism
2R A COBB MS Seed Lab		12R C LABEN PhD Prof Genet Anim Brdg
12J P CONRAD PhD Prof (Emeritus) Soil Sci Fert 25H B COOPER Jr PhD Agron Cotton		12G P LOFGREEN PhD Prof Nutr Feed Evaluation
12BEECHER CRAMPTON MS Lect Bot Range and		12S W MEAD MS Prof Dairy Sci Nutr and Genet (Emeritus)
Forage Crops		2V E MENDEL PhD Comp Physiol Environmental
25J G DEAN MS Agron Forage Seed Prod		12J H MEYER PhD Prof Nutr Fiber Nutr Fibrous Feed
2J T FEATHER MS Agron Seed Certif 25MICHAEL FORMAN MS Agron Rice		12W C ROLLINS PhD Prof Genet Population
2V Q HALE PhD Biochem Field Crops		12MAGNAR RONNING PhD Assoc Prof Nutr Metabolism 123G M SPURLOCK PhD Lect Parasitol Sheep
12R C HUFFAKER PhD Lect Biochem Growth Factors	S	2D T TORELL MS Anim Husb Range Nutr Sheep
25A H HYER PhD Genet Cotton		2K A WAGNON BS Anim Husb Range Studies Beef
2R E JOHNSON MS Agron Cotton 2M B JONES PhD Soil Sci Range Crops		12W C WEIR PhD Prof Nutr Ruminants Sheep
2B L KAY BS Agron Range Mgt		12J F WILSON MA Prof Anim Husb Wool (Emeritus)
12P F KNOWLES PhD Prof Genet Oil and Fiber Crops	S	
12H M LAUDE PhD Prof Plant Physiol Range Crops		Animal Physiology 915
2W F LEHMAN PhD Genet Alfalfa 12R S LOOMIS PhD Assoc Prof Plant Physiol Sugarbe	et	12F W LORENZ PhD Prof and Chmn of Dept Physiol
12B A MADSON BSA LLD Prof (Emeritus) Agron Fiel-		Reproduction  12HARRY COLVIN PhD Asst Prof Rumin Physiol
Crops		2W E HOWARD PhD Pest Control
2J J MASTENBROEK BS Genet Rice		2R E MARSH AB Anim Ecol
25J S McFARLANE PhD Genet Sugarbeet 25S C McMICHAEL PhD Agron Cotton		12A H SMITH PhD Prof Physiol Environmental Physiol
12D S MIKKELSEN PhD Prof Soil Chem Field Crops		Metab
2M D MORSE BS Agron Rice Culture		1C M WINGET PhD Lect Biorhythmicity 12DOROTHY E WOOLLEY PhD Asst Prof Neurophysiol
2E A OELKE PhD Ecol and Physiol in Rice		25ADOLPH ZANJANC BS Biol Starling Control
2F G PARSONS BS Agron Seed Certif		Desired States
12M L PETERSON PhD Prof Plant Physiol Irrig Pastu 12C A RAGUSE PhD Lect Irrig Pastures	ıre	9 control of the second
12F C RANEY PhD Assoc Prof Range Impr		920 12A G MARR PhD Prof and Chmn of Dept Microbiol
2BURT RAY BS Seed Certif		Biochem Cytology

CALIFORNIA 920-980

960

Bacteriology- Continued	Economics (Agr) 960
12R E HUNGATE PhD Prof Micropiol Rumen Studies	12J H SNYDER PhD Prof and Chmn of Dept Agr Econ
12J L INGRAHAM PhD Assoc Prof Microbiol Low	Resource Econ Agr Devlpmt
Temp	25D E CARR BS Agr Leon Farm and Ranch Mgt
12C S MUDGE PhD Prof Bact (Emeritus)	12H O CARTER PhD Prof Agr Econ Farm Mgt Prod Econ
12D M REYNOLDS PhD Assoc Prof Microbiol Chitingse	12G W DEAN PhD Prof Agr Econ Prod Econ Farm Mgt 12G W DEAN PhD Assoc Prof Agr Econ-Prod Econ-Farm
Teaching Films 12M P STARR PhD Prof Microbiol Pigments and	Mgt
Phytopathogenic Bacteria	12D B DELOACH PhD Prof Agr Econ-Mkt Econ and
. 11,10,14110,90110	Policy
	124J E FARIS Jr PhD Prof Agr Econ Prod Econ Farm
Biochemistry and Biophysics (Agr) 930	Mgt
12P K STUMPF PhD Prof and Chmn of Dept Plant	124JERRY FOYTIK PhD Prof Agr Econ Mkt Econ and
Biochem Lipids	Price Anal
124E E CONN PhD Prof Plant Biochem Aromatic	124B C FRENCH PhD Prof Agr Econ Mkt Econ 12T R HEDGES PhD Prof Agr Econ Farm Mgt Internat
Compounds 124STERLING CHAYKIN PhD Assoc Prof Enzymologist	Agr
Pyridin Nucleotide Metabolism Oxidative	25S S JOHNSON PhD Lect Agr Econ Farm Mgt
Phosphorylation	12W E JOHNSTON PhD Asst Prof Agr Econ Natural
12R S CRIDDLE PhD Asst Prof Phys Biochem Protein	Resources
Interactions	12G AKING PhD Prof Agr Econ Mkt E∞n
12R H DOI PhD Asst Prof Control Mech in Bacterial	12S H LOGAN PhD Asst Prof Agr Econ Mktg
Differentiation	25W H METZLER PhD Agr Econ-Farm Labor Econ
12J L HEDRICK PhD Asst Prof Enzyme Structures	12A FMcCALLA MA Actg Asst Prof Agr Policy and
124L L INGRAHAM PhD Prof Phys Organic Chem Enzyme Mechanisms	Political Econ 12C O McCORKLE PhD Prof Agr Econ-Prod Econ Farm
12JACK PREISS PhD Assoc Prof Enzymologist	Mgt
Carbohydrate Metabolism	25C V MOORE PhD Agr Econ-Prod and Resource Econ
12I H SEGEL PhD Asst Prof Sulfur Metabolism in Bacteria	12S H SOSNICK PhD Assoc Prof Mkt Econ Indus Organ
and Fungi	12J M TINLEY PhD Prof (Emeritus) Mkt Econ Internati
	Agr Coop
	12E C VOORHIES BS LLD Prof Agr Econ (Emeritus)
Botany 940	Recalled
12E M GIFFORD Jr PhD Prof and Chmn of Dept Morphol Plant Anat	
12C R STOCKING PhD Prof Actg Chmn of Dept Plant	Education (Agr) 970
Physiol Chloroplasts	120 E THOMPSON PhD Assoc Prof and Chinn of Dept
12F M ASHTON PhD Assoc Prof Plant Physiol	Rural Social
Weed Control	12R F BARNES PhD Asst Prof and Assoc Univ Ext
124D EBAYER PhD Lect Plant Physiol Weed Control	Spec Adult Educ
12P A CASTELFRANCO PhD Assoc Prof Plant	12ROBERTA R COLLARD PhD Asst Prof Psychol
Physiol Biochem	Child Develmpt
12A S CRAFTS PhD Prof (Emeritus) Plant Physiol Weed	1F L GRIFFIN MS Prof (Emeritus)
Control Recalled  12H B CURRIER PhD Prof Plant Physiol Cellular	12G R HAWKES PhD Prof Child Develmpt 1ARLINE JOHNSON MS Lect Supv Teacher Educ
Physiol	1E M JUERGENSON PhD Assoc Prof Teacher Tmg
12ELIZABETH G CUTTER PhD Assoc Prof Plant	12MARY C REGAN PhD Asst Prof Res Design and Anal
Morph	1S S SUTHERLAND MS Prof (Emeritus) Teacher Educ
25PAUL KEELEY PhD Bot Cotton	Group Processes and Learning
12NORMA J LANG PhD Asst Prof Morphol Algae	1JANE N WELKER MA Lect Nursery School Teacher
120 A LEONARD PhD Lect Weed Control	12EMMY E WERNER PhD Assoc Prof Psychol Child
12JACK MAJOR PhD Assoc Prof Plant Ecol	Develmpt
25J H MILLER PhD Bot Cotton  12T E RAGLAND PhD Asst Prof Plant Physiol	
2T F TISDALE PhD Bot Weed Control	
12J M TUCKER PhD Prof Taxon	Engineering (Agr) 980
124T E WEIER PhD Prof Plant Physiol Cytology	12COBY LORENZEN Jr MS Prof and Chmn of Dept
12KENNETH WELLS PhD Asst Prof Mycol Fungi	Tomato Harvesting
25R R YEO PhD Research Agron Aquatic Weed Control	25P A ADRIAN BS Mech Harvesting
	12N B AKESSON MS Prof Agric Chem and Pest Control
Chemistry 950	12ROY BAINER MS Prof and Dean Col of Engin Mech
Chemistry 950 12F M KEEFER PhD Prof and Chmn of Dept Chem Phys	Harvesting 25T E BOND MS Environment Studies
12L J ANDREWS PhD Prof Chem-Organic	12F A BROOKS MS DSc Prof (Emeritus) Microclimatol
12R K PRINTON PhD Prof Chem Phys Organic Anal	Recalled
12R E KEPNER PhD Prof Chem-Organic	25L M CARTER BS Mech of Cotton
12E P PAINTER PhD Prof Chem-Biochem	12W J CHANCELLOR PhD Assoc Prof Soil Mech
12H G REIBER PhD Prof Chem Organic	25THAYER CLEAVER BS Form Structures
12W E THIESSEN PhD Asst Prof Chem Structural Organ	12K L COULSON PhD Prof Atmos Radiation and Heat
12D H VOLMAN PhD Prof Chem-Phys	Transfer on Environ 12J B DOBIE BS Lect Relat of Elec to Agr Hay
Consumer Sciences 955	Pelleting
12MARY ANN MORRIS PhD Prof and Chmn of Dept	12R B FRIDLEY MS Asst Prof Mech Harvesting of Fruit
Chem Textile Sci	12R E GARRETT MS Lect Mech Harvesting of Lettuce
1R LORENE DRYDEN MA Lect Clothing and Textiles	12JP GENTRYMS Lect Fruits in Transit
12ELIZABETH M ELBERT PhD Asst Prof Chem	25R L GIVENS MS Coop Res Problems
Expt Foods	12J R GOSS MS Assoc Prof Hay Handling Small Seed
12DUANE HEINZ PhD Asst Prof Food Chem	Harvesting
12K C LAUGHLIN PhD Lect Textile Sciences 1AGNES C McClelland MA Lect Clothing	2RENE GUILLOU MS Agr Engin (Emeritus) 12J C HARPER DSc Assoc Prof Freeze Drying
	· ■ O HARE LET DOC MOSOC FIOT LIESZE DIVING

980-1070 CALIFORNIA

Engineering (Agr) - Continued	Food Science and Technology-Continued
124S A HART PhD Assoc Prof Sanit Engin of Livestock Wastes	2S J LEONARD BS Food Tech
12S M HENDERSON MS Prof Refrigeration Rice Drying	12M J LEWIS PhD Lect Brewing Tech
12C F KELLY DSc Prof Anim Environment and Structure	12B SLUH PhD Lect Agr Chem Food Proc and Spoilage Deterioration
12R A KEPNER BS Prof Hay Handling	12G L MARSH MS Prof Food Technol Chem of Deteriora-
12A A McKILLOP PhD Assoc Prof Freeze Drying	tion Freezing and Canning Technol
2PAUL MOLLER PhD Asst Prof Drift Studies	12MENDEL MAZELIS PhD Assoc Prof Biochem Freezing
12S R MORRISON PhD Asst Prof Anim Environment 12L O MYRUP Asst Prof Meteorol	Preserv
12L W NEUBAUER PhD Prof Structures	12M W MILLER PhD Assoc Prof Microbiol Dried Fruit; Yeasts
12MICHAEL O'BRIEN PhD Lect Bulk Handling	12E M MRAK PhD Prof Food Technol
12E WOWEN PhD Asst Prof Engin Electronics	Prod
12J B POWERS PhD Prof Electronic Sorting of Fruits	12T A NICKERSON PhD Assoc Prof Dairy Technol Dairy
12E D RODDA PhD Asst Prof Structures 12C E SCHERTZ PhD Asst Prof Mech Harvesting of	12Mrs ROSE MARIE PANGBORN MS Lect Nutrand Foods
Citrus Fruits	Sensory Eval Sensory Perception  12H J PHAFF PhD Prof Microbiol Taxon of Yeasts
12H B SCHULTZ PhD Lect Geog Prof Agr Engin	Enzyme and Pectin Chem.
Climatol	12C L ROADHOUSE DVM Prof Dairy Technol (Emeritus)
2H E STUDER BS Mech Harvesting of Grapes	2J F SHAVER BS Food Processing
2J R TAVERNETTI MS Cotton Mech 12W E YATES MS Assoc Prof Sprays and Pest Control	12L M SMITH PhD Assoc Prof Agr Chem Lipids
E TATES MS ASSOCIATION Spruys and Pest Control	12CLARENCE STERLING PhD Prof Bot Histo Chem and Biophys of Foods
	12G F STEWART PhD Prof Food Chem Anim Prod Technol
Entomology and Parasitology 990	12A L TAPPEL PhD Prof Biochem of Foods
12R M BOHART PhD Prof and Chmn of Dept Syst Ent Mosquito Wasp Flies	12N P TARASSUK PhD Prof Agr Chem Dairy Prod;
120 G RACON PhD Prof Agr Ent Pests of Legume Seeds	Deterioration
Com Potatoes Sweetpotatoes	12R H VAUGHN PhD Prof Food Microbiol Spoilage
12S F BAILEY PhD Prof Agr Ent Mosquito Thrips Pests	Plant Sanit Public Health Problems  25R E WALTER MS Poultry
of Plums Prunes Cherries	12J R WHITAKER PhD Assoc Prof Biochem Enzyme
2E C CARLSON MS Agr Ent Seeds and Oil Crops	Chem; Meat Quality
12J E ECKERT PhD Prof (Emeritus) Apic Dis- Insecticides	2F H WINTER BS Freezing and Drying
12N E GARY PhD Asst Prof Apic Pesticides and	12M H WOSKOW PhD Lect Exp Psychol Sensory Percep-
Pollination	tion  2G K YORK PhD Microbiol Food Microbiol
12A A GRIGARICK Jr PhD Assoc Prof Agr Ent Field Crops	20 K 10 K Fill Microbiol Food Microbiol
12C L JUDSON PhD Asst Prof Ent Mosquito Eggs	Genetics 1000
12H H LAIDLAW PhD Prof Apic Brdg	1020 12S R SNOW PhD Assoc Prof and Actg Chinn of
12W H LANGE Jr PhD Prof Agr Ent Pests in Veg Crops	Dept Asst Genet Cytogenetics
Soil Insecticides Snails and Slugs	12HARRIS BERNSTEIN PhD Asst Prof Genet Molecular
2T F LEIGH PhD Agr Ent Cotton	12M M GREEN PhD Prof Genet Drosophila
12G A H McCLELLAND PhD Asst Prof Med Ent Mosquito 2H L McKENZIE MS Syst Ent Scale Insects	12G L STEBBINS Jr PhD Prof Plant Genet Plant
2D L McLEAN PhD Ent Insect Borne Viruses	Evolution
2J L REED PhD Virus Yellows Sugarbeets	
12L M SMITH PhD Prof Ent (Emeritus) Taxon	International Agricultural Institute 1040
12E M STAFFORD PhD Prof Agr Ent Pests of Grapes	1C M HARDIN PhD Dir
Olives Figs Scale Insects  12F E STRONG PhD Assoc Prof Agr Ent Plant	(Tel Area 916-752-0820)
Resistance	
12F M SUMMERS PhD Prof Agr Ent Mites	Londscope Horticulture 1050
2R W THORP PhD Apic	12H C KOHL Jr PhD Prof and Chmn of Dept Plant
2F E TODD BSc Ent Apic	Physiol Flor
2R R WASHINO MS Ent Rice Field Mosquito Problems	1R D DANIELSON MS Lect Landsc Arch
	12J A HARDING PhD Asst Prof Genet Flor
Food Protection and Toxicology Center 1000	12R W HARRIS PhD Prof Plant Physiol Arboriculture 12A T LEISER PhD Asst Prof Hort Plants
12G F STEWART PhD Dir (Tel Area 916-752-1142)	12J H MADISON Jr PhD Assoc Prof Plants Turf
	12J L PAUL PhD Asst Prof Soil and Plant Nutr
End Salan I T. ( )	124R M SACHS PhD Assoc Prof Plant Physiol Flor
Food Science and Technology 1010  12C O CHICHESTER PhD Prof and Chmn of Dept	
Chem Engin Food Pigments Food Engin	Mathematics 1060
12R A BERNARD PhD Assoc Prof Plant Physiol Food	12E B ROESSLER PhD Prof and Chmn of Dept Statis
Flavor Chem	Design and Anal of Expt Surv Methods
123A W BRANT PhD Lect Poultry and Egg Process 12E B COLLINS PhD Prof Microbiol Dairy Prod	12G A BAKER PhD Prof Statis Design and Anal of Expt
and Public Health	Multivaniate Anal
12W V CRUESS PhD Prof Biochem and Food Technol	12C M FULTON PhD Prof Math Geometry Differential Tensor Anal Foundations

Nematology

Taxon Cotton

Field Crops

12M W ALLEN PhD Prof and Chmn of Dept Nematol

12BERT LEAR PhD Lect Nematol Nematocides Veg and

25F E CAVENESS PhD Plant Path Cotton

1070

(Emeritus)

Food Chem

12W L DUNKLEY PhD Prof Dairy Technol Dairy Prod 12R E FEENEY PhD Prof Biochem Proteins 12DIETER GRUENWEDEL PhD Lect Instrumental Anal

2BRUCE HUBBELL Jr BS Dairy Technol Dairy Prod

12E L JACK PhD Prof (Emeritus) Food Chem Milk Fats
12W G JENNINGS PhD Assoc Prof Agr Chem Food Flavor
Chen. Food Plant Sanit

CALIFORNIA 1070-1120

# Nematology-Continued

12B F LOWNSBERRY PhD Lect Nematol Pathogenesity Deciduous Fruits and Nuts

12A R MAGGENTI PhD Lect Nematol Morphol Nursery and Ornam

12D J RASKI PhD Prof Nematol Taxon Grapes Virus Dis 12D R VIGLIERCHIO PhD Lect Nematol Physiol and Biochem

1075 Nutrition

124F W HILL PhD Prof and Chmn of Dept Nutr Energy Metabolism

12Mrs LUCILLE S HURLEY PhD Assoc Prof and Actg Chmn of Dept Biochem Nutr

12BETTY E HASKELL PhD Asst Prof Nutr 12GLADYS J EVERSON PhD Prof Biochem Nutr 12FRANCES J ZEMAN PhD Asst Prof Nutr

Physics 1080

12C G PATTEN PhD Prof Nuclear Phys Accelerators Spectroscopy

12M E GARDNER PhD Prof Nuclear Phys Accelerators

Plant Pathology 1090

12L D LEACH PhD Prof and Chmn of Dept Plant Path Seeding Dis

25L J ASHWORTH PhD Plant Path Cotton Dis

25C W BENNETT PhD Plant Path Virus Dis of Sugarbeets

124E F. BUTLER PhD. Assoc Prof Plant Path Post Harvest Dis Mycol

124R N CAMPBELL PhD Assoc Prof Plant Path Veg Dis 12J E DEVAY PhD Prof Plant Path Host Parasite

Relationships 25J E DUFFUS PhD Plant Path Virus Dis of Sugarbeets

124W H ENGLISH PhD Prof Plant Path Dis of Deciduous Fruits and Nuts

25R H GARBER MS Plant Path Cotton Dis 25A C GOHEEN PhD Plant Path Grape Dis

12k G GROGAN PhD Prof Plant Path Virol Veg Dis 25J M HARVEY PhD Plant Path Post Harvest Fruit Dis

12W B HEWITT PhD Prof Plant Path Grape Dis Soil Borne Virus

12B R HOUSTON PhD Dean Grad Div; Prof Plant Path Field Crop Dis

25J M KLISIEWICZ PhD Plant Path Oil Crop Dis 12TSUNE KOSUGE PhD Assoc Prof Plant Path

Biochem of Plant Pathogens

12D E MATHRE PhD Asst Prof Plant Path Field and Forage Crop Dis

12GEORGE NYLAND PhD Prof Plant Path Fruit Tree Virus Dis

12J M OGAWA PhD Assoc Prof Plant Path Dis of Deciduous Fruits and Nuts

25T S PINE PhD Plant Path Dis of Deciduous Fruits

25W C SCHNATHORST PhD Plant Path Cotton Dis

12T A SHALLA PhD Assoc Prof Plant Path Pome Fruit Virus Dis

12R J SHEPHERD PhD Lect Plant Virology

12E E WILSON PhD Prof Plant Path Fruit and Nut Crop Dis Bacterial

Pomology 1100

12D S BROWN PhD Prof Chmn of Dept Plant Physiol Relat Climate to Prod

12F W ALLEN MS Prof (Emeritus) Physiol Post Harvest Fruits

12MURIEL V BRADLEY PhD Lect Pomol Morphol Cytology

12R S BRINGHURST PhD Prof Genet Small Fruit Brdg 2J R BUCHANAN BS Anal Chem Foliar and Soil Anal 2R M CARLSON PhD Pom Fruit Tree Nutr

12P B CATLIN PhD Lect Physiol Growth and Develomt

12L L CLAYPOOL PhD Prof Physiol Post Harvest Fruit 12J C CRANE PhD Prof Plant Physiol Hormones Fig Prod

Pomology-Continued

12L D DAVIS PhD LLD Prof (Emeritus) Pomol Plant Physiol Fruit Brdg

2L H DAY MS (Emeritus) Horticul Rootstalk Problems

2A E GILMORE MA Plant Physiol Peaches

12W H GRIGGS PhD Prof Physiol Fruit Brdg 12P E HANSCHE PhD Lect Genet Fruit Brdg

12C J HANSEN MS Prof Plant Physiol Stone Fruits

12H T HARTMANN PhD Prof Plant Physiol Propagation Olive Culture

2A H HENDRICKSON PhD (Emeritus) Horticult Irrig of Deciduous Fruits

12C O HESSE PhD Prof Genet Fruit Brdg

2A A HEWITT PhD Lect Orchard Cult

12D E KESTER PhD Assoc Prof Physiol Fruit Brdg and Genet

120MUND LILLELAND PhD Lect Plant Physiol Soil Studies

12E C MAXIE PhD Lect Biochem Post Harvest Fruit Problems Ionizing Radiation

12E L PROEBSTING PhD Prof Pomol (Emeritus) Plant Physiol and Soils

124R J ROMANI PhD Lect Pomol Maturity Problems Irradiation Studies

12KAY RYUGO PhD Lect Pomol Cling Peaches Pears 12E F SERR Jr BS Lect (Emeritus) Horticul Walnut Brdg and Prod

12N F SOMMER PhD Lect Physiol Plant Growth Substances Irradiation

12W P TUFTS PhD Prof (Emeritus) Pomol Horticult Piant Physiol and Morphol

12KIYOTO URIU PhD Lect Physiol Mineral Nutr and Irrig of Deciduous Fruits

2VICTOR VOTH BS Horticul Small Fruits

# Poultry Husbandry

1110

12W O WILSON PhD Prof and Chmn of Dept Poultry Mgt Environmental Physiol Neuro Endrocrinol

12Mrs URSULA H ABBOTT PhD Assoc Prof Genet Avian Developmental Population

12H-J ABPLANALP PhD Prof Genet Breeding

12V S ASMUNDSON PhD LLD Prof Genet (Emeritus) Recalled

12R E BURGER PhD Assoc Prof Physiol Reprod

12C R GRAU PhD Prof Nutr-Embryo

2E A JOHNSON MS Poultry Husb

12F H KRATZER PhD Prof Nutr Anim Metabolism

12E E KRIECKHAUS PhD Asst Prof Psych of Anim Behavior

124F X OGASAWARA PhD Assoc Prof Physiol Reproduction Mat

12D W PETERSON PhD Prof Nutr Poultry Products Muscle Biochem

12B W WILSON PhD Asst Prof Physiol Cell Physiol

# Soils and Plant Nutrition

1120

12C C DELWICHE PhD Prof and Chmn of Dept Soil Sci and Biochem Keamey Foundation

12D G ALDRICH Jr PhD Chancellor Irvine Campus Prof Chem Fert and Mat

2H T ARKLEY PhD Radioactive Elements in Soil

12E L BEGG BS Lect Soil Surv

12F E BROADBENT PhD Prof Soil Microbiol Introgen Transformation

12A L BROWN PhD Lect Soil Chem Micronutrients
12R G BURAU PhD Asst Prof Soil Chem Colloids
2A B CARLTON MS Spec Peat Land Mgt and Conserv

12L E DAVIS PhD Prof (Emeritus) Soil Chem Nitrogen Transformation

12EMANUAL EPSTEIN PhD Prof Plant Physiol Translocation by plants

124F F HARRADINE PhD Prof Soil Morphol Surv Correlation

2F W HERBERT BS Soil Morphol

2G L HUNTINGTON PhD Soil Surv

12J J JURINAK PhD Lect Soil Chem Surface-Chem of. Soils

23W E MARTIN PhD Soil Fertility

1120-1173 CALIFORNIA

### Soils and Plant Nutrition-Continued Water Science and Engineering-Continued 12J L McMURDIE PhD Asst Prof Soil Phys Soil 12JAIME AMOROCHO PhD Prof Hydrolic Engin Surface Deformation Water Hydrology 2D W RAINS PhD Plant Nutr Ion Uptake and 12J W BIGGAR PhD Lect Soil Phys Water Quality Translocation 12R H BURGY MS Prof Civil Engin Hydrology and 12H M REISENAUER PhD Lect Soil Sci in Kearney Water Supply Foundation Soil Fert and Plant Nutr 12L D DONEEN PhD Prof Soil Chem Water Quality 12V V RENDIG PhD Prof Plant Physiol Soil Plant Standards Interrelationship 2D W GRIMES PhD Irrig Mgt 2W J SHARRATT PhD Soil Fertility 12R M HAGAN PhD Prof Coordinator International 12P R STOUT PhD Prof Dir of Kearney Foundation of Agr Programs and Actg Chmn Dry-Lands Res Inst Soil Science Soil Chem Plant Soil Interrelations Irrig Water Soil Plant Relat 12J A VOMOCIL PhD Assoc Prof Soil Phys Soil Compac-12WILLIAM HART MS Lect Irrig System Design 12D W HENDERSON PhD Prof Soil Sci Soil Mgt under 12L D WHITTIG PhD Assoc Prof Soil Chem Soil Genesis Irrig 12T C HSAIO PhD Asst Prof Plant Soil Water Relat 12J N LUTHIN PhD Prof Soil Phys Drainage Vegetable Crops 1130 2J C MARR BS Assoc Expt Sta (Irrig) (retired) 120 A LORENZ PhD Prof and Chmn of Dept Nutr 2R J MILLER PhD Imig Soil Fertility Irrig Mat 2J C BISHOP MS Veg Crops Plot Work 12D R NIELSEN PhD Assoc Prof Soil Phys Phys of 12G N DAVIS PhD Prof Oler Brdg Soil Moisture 2R M DAVIS Jr PhD Oler Physiol Res 12W J FLOCKER PhD Assoc Prof Oler Soil Compaction 12W O PRUITT MS Lect Irrig Engin 2F E ROBINSON PhD Irrig Water Mgt and Water Relat 12T S STRELKOFF PhD Asst Prof Civil Engin 2G C HANNA BS Oler Brdg Hydrodynamics 12J F HARRINGTON PhD Prof Oler Seed Prod 12F J VEIHMEYER PhD Prof (Emeritus) Irrig Engin 12F D HOWARD PhD Lect Oler Biochem of Growth and Develmpt 2B J HOYLE MS Veg Crops Plot Work Zoology 1160 12J E KNOTT PhD DSC Prof (Emeritus) Plant Physiol 1H T SPIETH PhD Prof and Chmn of Dept Insect 12J C LINGLE PhD Assoc Prof Oler Nutr Fertilizer Behavior esp mating of Drosophila Environment 1MILTON HILDEBRAND PhD Prof and Vice Chmn of 12J H MacGILLIVRAY PhD Prof (Emeritus) Dept Vertebrate Morphol Oler Quality and Food Value Studies 12M A MILLER PhD Prof Crustacea 124W M LONGHURST PhD Lect Zool Ecol Relat 12L L MORRIS PhD Prof Oler Post Harvest Physiol 12H K PRATT PhD Prof Plant Physiol Post Harvest Wildlife to Agr 12LAWRENCE RAPPAPORT PhD Lect Oler Post 25L H MILLER PhD LLD Prof Biol Avian Paleontology Harvest Growth Hegulators (Emeritus) 12C M RICK Jr PhD Prof Genet Tomatoes Brdg 12L E ROSENBERG PhD Prof Zool Protozoology and Crucifers 12P G SMITH PhD Prof Oler Brdg Taxonomy of Peppers 12T I STORER PhD LLD Prof (Emeritus) Zool 12A R SPURR PhD Assoc Prof Oler Histopath Studies 2HERMAN TIMM PhD Oler Potatoes 2J E WELCH PhD Oler Brdg Miscellaneous 1170 12MASATOCHI YAMAGUCHI PhD Lect Oler Physiol and 2JACK PANGBORN MA Spec Expt Sta (Electron Biochem Studies on Devlmpt Microscope Lab) 25F A YANG PhD Biochem Post Harvest Res 2M B ZAHARA BS Veg Crops Time and Motion Studies 2F W ZINK Jr MS Veg Crops Growth Rates Extension Service (Agr) 1173 3M D MILLER MS Asst State Dir 3J E SPURLOCK BS Asst State Dir Viticulture and Enology 3REUBEN ALBAUGH BS Ext Anim Husb 1150 12H W BERG MS Prof and Chmn of Dept First Color 3D C ALDERMAN PhD Ext Pomol Extraction 3R D APPLEMAN MS Ext Dairyman 2C J ALLEY PhD Vitic Disease-free Root Stock 3D L BATH PhD Ext Dairyman 12M A AMERINE PhD Prof Enol Enol-controlled 3L J BERRY BS Ext Range Spec Fermentation 3J A BEUTEL MS Ext Pontol 12J A COOK PhD Prof of Vitic Vitic Mineral Nutr 3KEITH BISSEL MS Farm Adv-at-Large 12J F GUYMON PhD Prof Enol Brandy Research 3L J BOOHER CE Ext Irrig 12W M KLIEWER PhD Lect Vitic Biochem Invest 3A W BRANT PhD Ext Food Tech 12R E KUNKEE PhD Asst Prof Enol Biochem of 3R W BRAZELTON BS Ext Agr Engin Microbiol Fermentation 3V E BURTON BS Ext Ent 12L A LIDER PhD Assoc Prof Vitic Developt of 3R B BUSHNELL DVM Ext An Hith Spec New Root Stock 12K E NELSON PhD Prof Vitic Grape Storage 3G M COOKE PA Ext Enol 3G L CRENSHAW DVM Ext An Hith Spec 12H P OLMO PhD Prof Vitic Brdg New Varieties 3M W CUMMINGS BS Ext Wildlife Mgt Spec 12C S OUGH BS Lect Eval of Wine Grapes 3R G CURLEY BS Ext Agr Engin 12V L SINGLETON PhD Lect Enol Wine Aging 3W B DAVIS MS Ext Omam Hort 25MASAMI UOTO PhD Vitic Hort 3J T ELINGS BS Ext Anim Husb 12R J WEAVER PhD Prof Vitic Growth Regulators 3C L ELMORE MS Ext Weed Technol 12A D WEBB PhD Prof Enol Aroma and Flavor 3J A EMO BS 4-H Club Spec Constituents 3D E GILBERT PhD Ext Bioclimatologist 12A J WINKLER PhD Prof and Vitic (Emeritus) 3G S GOBLE BS Ext Dairy and Livestock Tech 3D H HALL PhD Ext Plant Path 3W H HART PhD Ext Plant Nematcl 3W A HARVEY MS Ext Weed Control Spec Water Science and Engineering 3W M HERMS MS Ext Inform Spec 3F J HILLS PhD Ext Agron 1155 12V H SCOTT PhD Prof and Chmn Dept Irrig Engin Ground Water Devlpmt 3MARVIN HOOVER BS Ext Cotton Spec (PO Shafter) 12FRANK ADAMS LLD Prof (Emeritus) Irrig Econ 3C E HOUSTON BS Ext Irrig and Drain Engin

Extension Service (Agr) - Continued

3K H INGEBRETSEN BS Farm Adv-at-Large

3F E JONES MS Ext Inform Spec

3A N KASIMATIS MS Ext Vitic

3R F KASMIRE MS Ext Mktg Technol

3B A KRANTZ PhD Ext Soils Spec 3E A LIBRA Jr MEd Ext Tech

3E C LOOMIS PhD Ext Parasitol

3G A MARLOWE Jr PhD Ext Veg Crops Spec

3W B McHENRY BS Ext Weed Control Technol

3V L MARBLE PhD Ext Agron 3W E MARTIN PhD Ext Soils Spec

3W C MICKE MS Ext Pomol Tech

3C E MILLER Jr BS Ext RCD Prog Coordin

3H L MILLER MS 4-H Club Spec

3F G MITCHELL MS Ext Pomol Mktg

3H J O'REILLY PhD Ext Plant Path

3V P OSTERLI BS Prog Leader Spec Proj

3R R PARKS MA Ext Agr Engin

3P S PARSONS MS Ext Econ 3R A PARSONS MS Ext Agr Eng

3R C PEARL BS Ext Proc Crops Spec

3C L PELISSIER MS Ext Dairyman

3G D PETERSON Jr BS Ext Tech Bioclimatology

3J D PRATO MS Ext Agron Technol

3JAMES QUICK BA Ext Technol

3A D REED PhD Ext Econ

3H B RICHARDSON MS Ext Vitic Mktg

3A D RIZZI BS Ext Pomol

3A S ROSENWALD DVM PhD Ext Poultry Path

3V E RUBATZKY PhD Ext Veg Crops Spec

3W W SHEPARD BS Ext Inform Spec

3W L SIMS PhD Ext Veg Crops Spec

3WARD STANGER MS Ext Apic

3J E STREET M.S Ext Range Spec

3H T STRONG BS Ext Anim Husb

3R D TEAGUE BS Ext Wildlife Mgt Spec

3W R THOMAS PhD Ext Food Tech

3L F WERENFELS PhD Ext Irrig Technol

# Veterinary Medicine

ADMINISTRATION

12W R PRITCHARD DVM PhD J D Dean of Sch of Vet Med and Assoc Dir of Sta (916-752-1360) 95616 12BL AINE McGOWAN Jr DVM Assoc Dean of Sch of Vet Med (916-752-1383)

ANATOMY

12W S TYLER DVM PhD Assoc Prof and Assoc Anat and Actg Chmn of Dept

12L J FAULKIN Jr PhD Asst Prof and Asst Anat

12B L HART DVM PhD Asst Prof and Asst Anat

12L M JULIAN DVM PhD Prof and Anat 12L Z McFARLAND DVM PhD Prof and Anat

1Mrs IDA G SCHMIDT PhD Senior Lect

1240 W SCHALM DVM PhD Prof Vet and Chmn of Dept

12E J CARROLL PhD Lect and Assoc Spec

12N C JAIN PhD Asst Clin Path

12D E JASPER DVM PhD Prof and Vet

12J J KANEKO DVM PhD Assoc Prof and Assoc Vet CLINICAL SCIENCES

12R M CELLO DVM Prof Vet and Chmn of Dept Med and Ophthalmology

12J C BARTLEY DVM PhD Asst Prof and Asst Vet

12J F CHRISTENSEN DVM PhD Prof and Vet Med and protozool 12A G EDWARD DVM Lect and Spec Lab Anim Dis

 $12\mbox{M} \to \mbox{FOWLER}$  DVM  $\,$  Assoc Prof and Assoc Vet Med

and Toxicol 12J R GILLESPIE DVM PhD Asst Prof and Asst Vet 12T J HAGE DVM Assoc Prof and Assoc Vet Med and

Radiol 12C A HJERPE DVM. Asst Prof and Asst Vet Med

12T A HOLLIDAY DVM PhD Asst Prof and Asst Vet Comp Path and Med

12J A HOW ARTH DVM PhD Assoc Prof and Assoc Vet Med Reproduction and Enteric Viruses

12J P HUGHES DVM Assoc Prof and Assoc Vet Med and Reproduction

Veterinary Medicine - Continued

CALIFORNIA

12J W KENDRICK DVM MS Prof and Vet Med and Reproduction

12R L LEIGHTON DVM Assoc Prof and Assoc Vet Med and Sura

12BLAINE NicGOWAN Jr DVM Prof and Vet Med and E∞l

124E A RHODE Jr DVM Prof and Vet Med and Cardiol 12B C TENN ANT DVM Asst Prof and Asst Vet Med

12G H THEILEN DVM Assoc Prof and Assoc Vet Surg and Oncology

12J D WHEAT DVM Prof and Vet Surg

12ALIDA P WIND DVM Lect and Assoc Spec Surg

Epidemiology & Preventive Medicine

12C W SCHWABE DVM ScD Prof Epidemiol and Chmn of Dept

12H E ADLER DVM PhD Prof and Vet

12R A BANKOWSKI DVM PhD Prof and Vet

12J B ENRIGHT PhD Prof and Microbiol

12L G RAGGI DVM PhD Assoc Prof and Assoc Vet 12H P RIEMANN DVM PhD Assoc Prof and Assoc

Microbiol. 12W W SADLER DVM MPH Prof and Vet

12RICHARD YAMAMOTO PhD Lect and Assoc Microbiol MICROBIOLOGY

12J W OSEBOLD DVM PhD Prof Microbiol and Chmn

12N F BAKER DVM PhD Prof and Parasitol

12E L BIBERSTEIN DVM PhD Prof and Microbiol

12H S CAMERON DVM PhD Prof Emeritus and Microbiol

12J R DOUGLAS PhD Prof and Parasitol

12D G McKERCHER DVM PhD Prof and Virol

IMARGARET E MEYER PhD Assoc Microbiol

12CLYDE STORMONT PhD Prof and Serol 12Y C ZEE DVM. Actg Asst Prof and Actg Asst

Microbiol

PATHOLOGY

1177

12D R CORDY DVM PhD Prof Path and Chmn of Dept 12D L DUNGWORTH PhD Assoc Prof and Assoc Path

12D H GRIBBLE DVM Actg Asst Prof and Actg Asst Path

12P C KENNEDY DVM PhD Prof and Path

124J E MOULTON DVM PhD Prof and Path

12W P RICHARDS MVSc Actg Asst Prof and Actg Asst Path

PHYSIOLOGICAL SCIENCES

12A L BLACK PhD Prof and Biochem and Actg Chmn of Dept

12V W BURNS Assoc Prof and Assoc Biophys

1L K BUSTAD DVM PhD Prof Radiobiol and Dir of Radiobiol Lab

124R A FREEDLAND PhD Assoc Prof and Assoc Biochem

12L W HOLM PhD Prof and Physiol

12H R PARKER DVM PhD Asst Prof and Asst Physiol

12S A PEOPLES MD Prof Compar Pharmacol 2P T SAH PhD Pharmacol

IL H SCHMIDT PhD Prof Compar Pharmacol

12N W SCHOLES PhD Asst Prof and Asst Pharmacol

12D G STUART PhD Assoc Prof and Assoc Physiol

# Los Angeles

12V T STOUTEMYER PhD Assoc Dir of Sta (PO Los Angeles Tel Area Code 213-272-8911 Ext 3383) 90024

Agricultural Sciences

12V T STOUTEMYER PhD Prof Om Hort and Chmn of Dept

12J G BALD PhD Prof Plant Path

12WALTER EBELING PhD Prof Ent 12W P HACKETT PhD Asst Prof Om Hort 12B L JOHNSON PhD Prof Genet

12A M KOFRANEK PhD Prof Flor

2R J PENCE Spec Expt Sta Ent

1180-1300 CALIFORNIA

# Agricultural Sciences - Continued

12L M SHANNON PhD Assoc Prof Plant Physiol 2R E WAGNER Assoc Spec Expt Sta Ent 12ARTHUR WALLACE PhD Prof Plant Nutr

Extension Service (Agr)

1200

3Mrs HELEN E GOODRICH BA Area Home Econ Consum Mktg (808 No Spring La 90012)

# Riverside

12A M BOYCE PhD Dean of Col of Agr and Assoc Dir of Citrus Res Center and Sta (PO Riverside Tel Area Code 714-787-3101) 92502 12G H CANNELL PhD Asst Dean Col of Agr and Asst Dir of Citrus Res Center and Sta (714-787-3103)

Agronomy 1240

12C M McKELL PhD Assoc Prof and Chmn of Dept 26A R BERG MS Assoc Expt Sta (Forest Serv)
2J M DODGE BS Assoc Expt Sta (Calif Forest) 12J R GOODIN PhD Lect and Asst Agron 26L R GREEN MS Assoc Expt Sta (Forest Serv)
26J L MURPHY MS Assoc Expt Sta (Forest Serv) 26E A NORD PhD Assoc Expt Sta (Forest Serv) 26M I SCHROEDER BEd Assoc Expt Sta (Weather Bur) 26C C WILSON MS Assoc Expt Sta (Weather Bur) 12D M YERMANOS PhD Asst Prof and Asst Agron 12V B YOUNGNER PhD Assoc Prof and Assoc Hort

Biochemistry 1250

12R T WEDDING PhD Prof and Chmn of Dept 12I L EAKS PhD Lect and Plant Physiol 12L C ERICKSON PhD Lect and Plant Physiol 12J B MUDD PhD Assoc Prof and Assoc Biochem 12E A G NOLTMANN PhD Assoc Prof and Assoc Biochem 12A W NORMAN PhD Asst Prof and Asst Biochem 12LAWRENCE ORDIN PhD Assoc Prof and Assoc Biochem

12N G PON PhD Asst Prof and Asst Biochem 12B R REID PhD Asst Prof and Asst Biochem 12W B SINCLAIR PhD Prof and Biochem 12F M TURRELL PhD Prof and Plant Physiol

Biological Control 1260

12D A CHANT PhD Prof and Chmn of Dept 12B R BARTLETT PhD Lect and Ent 12E C BAY PhD Lect and Asst Ent 25D W CLANCY PhD Assoc Expt Sta (Biol Control) 12P H DeBACH PhD Prof and Ent 2T W FISHER PhD Spec Expt Stg (Biol Control) 12C A FLESCHNER PhD Prof and Ent 2R D GOEDEN PhD Asst Ent 2DANIEL GONZALEZ PhD Asst Ent 12I M HALL Jr PhD Assoc Prof and Assoc Insect Path 12E F LEGNER PhD Lect and Asst Ent 12J A McMURTRY PhD Lect and Assoc Ent 12E R OATMAN PhD Lect and Assoc Ent 2E L REEVES PhD Asst Insect Path

Engineering (Agr) 1265 12R L PERRY BS Prof and Vice Chmn of Dept

Davis and Riverside 25G K BROWN MS Assoc Expt Sta (Agr Eng) 25C L PARRY BS Assoc Expt Sta (Agr Eng) 2R M PERKINS BS Assoc Spec Expt Sta (Agr Eng) 2D T SEAMOUNT MBA Assoc Spec Expt Sta (Agr Eng) 25W W WOLF MS Assoc Expt Sta (Agr Eng)

Entomology 12G E CARMAN PhD Prof and Chmn of Dept 1270

12L D ANDERSON PhD Prof and Ent

Entomology-Continued

2E L ATKINS Jr MS Spec Expt Sta (Ent) 12M M BARNES PhD Prof and Ent 12A M BOYCE PhD Prof and Ent 12L R BROWN PhD Assoc Prof and Assoc Ent 25D L CHAMBERS PhD Assoc Expt Stg (Ent) 12R C DICKSON PhD Prof and Ent 12WALTER EBELING PhD Prof and Ent 2H S ELMER MS Assoc Spec Expt Sta (Ent) 12W H EWART PhD Prof and Ent 12J D FOULK PhD Lect and Asst Res Ent 12T R FUKUTO PhD Prof of Ent and Insect Toxicol
2L K GASTON PhD Asst Chem 12G P GEORGHIOU PhD Lect and Assoc Ent 12F A GUNTHER PhD Prof of Ent and Chem 2H P HERMANSON PhD Asst Res Ent 25A F HOWL AND BS Assoc Expt Sta (Ent) 12R N JEFFERSON PhD Prof and Ent 2L R JEPPSON PhD Ent 12D L LINDGREN PhD Lect and Ent 12R B MARCH PhD Prof and Ent 26 H A MERRILL BS Res Assoc Expt Sta (USDI) 2Mrs ESTHER R METCALF PhD Assoc Expt Sta (Ent) 12R L METCALF PhD Prof and Ent 12M S MULLA PhD Assoc Prof and Assoc Ent 2J C ORTEGA BS Spec Expt Sta (Ent) 12H T REYNOLDS PhD Prof and Ent 12L A RIEHL PhD Prof and Ent 12E I SCHLINGER PhD Assoc Prof and Assoc Ent 25J G SHAW MA Assoc Expt Sta (Ent) 12H H SHOREY PhD Lect and Assoc Ent 2J N SIMONS PhD Res Ent 12V M STERN PhD Assoc Prof and Assoc Ent

12R G STRONG PhD Lect and Assoc Ent

25P V VAIL MS Assoc Expt Sta (Ent)

2W E WESTLAKE PhD Res Chem

25HARUO TASHIRO PhD Assoc Expt Sta (Ent)

25JOSEPH WILCOX MS Assoc Expt Sta (Ent)

Horticultural Science 1290 12B E DAY PhD Prof and Chmn of Dept 12R K SOOST PhD Prof and Vice Chmn 2B O BERGH PhD Assoc Spec Expt Sta (Hort Sci) 12W P BITTERS PhD Prof and Hort 2S B BOSWELL BS Assoc Spec Expt Sta (Hort Sci)
12J W CAMERON PhD Prof and Genet 12C W COGGINS Jr PhD Lect and Assoc Plant Physiol 12T W EMBLETON PhD Lect and Hort 25J R FURR PhD Assoc Expt Sta (Hort Sci) 12M J GARBER PhD Prof and Biomet 2H Z HIELD BA Spec Expt Sta (Hort Sci)
12W W JONES PhD Prof and Hort 2L S JORDAN PhD Assoc Plant Physiol 12J D KIRKPATRICK PhD Lect and Assoc Hort 12C K LABANAUSKAS PhD Lect and Assoc Hort 2Mrs MARGARET M LESLEY PhD Assoc Expt Sta (Hort Sci) 12L N LEWIS PhD Assoc Prof and Assoc Hort
12J D MANN PhD Lect and Asst Biochem 2P W MOORE BS Spec Expt Sta (Hort Sci) 12TOSHIO MURASHIGE PhD Lect and Asst Plant Physiol 2E M NAUER BS Assoc Spec Expt Sta (Hort Sci) 2R L PALMER MS Assoc Spec Expt Sta (Hort Sci)

Nematology 1300 12I J THOMASON PhD Assoc Prof and Chmn of Dept

12R J SMITH PhD Prof and Agr Econ Farm Labor Studies

Mechanization of Cultural Operations and Harvestina

12WALTER REUTHER PhD Prof and Hort

12W B STOREY PhD Prof and Hort 12O C TAYLOR PhD Lect and Assoc Hort

2R W SCORA PhD Asst Botanist

2R C BAINES PhD Plant Nematol 12C E CASTRO PhD Lect and Assoc Chem 12REINHOLD MANKAU PhD Lect and Assoc Nematol 2Mrs SAROJAM K MANKAU PhD Assoc Expt Sta (Nematol)

1340

1245

Nematology-Continued

12S A SHER PhD Prof and Nematol 12S D VANGUNDY PhD Lect and Assoc Nematol

Miscallaneous 12M J GARBER PhD Prof and Biomet (Biomet Lab and Dir Comput Ctr)

1310 Plant Pathology

121 B KENDRICK Jr PhD Prof and Chmn of Dept 12J G BALD PhD Prof and Plant Path 12SALOMON BARTNICKI-GARCIA PhD Lect and Asst

Micmbial 12E C CALAVAN PhD Prof and Plant Path

251 B CARPENTER PhD Assoc Expt Sta (Plant Path)

12E F DARLEY PhD Lect and Plant Path

12P R DESJARDINS PhD Assoc Prof and Assoc Plant Path

2T A DeWOLFE MS Spec Expt Sta (Plant Path)

12J W ECKERT PhD Assoc Prof and Assoc Plant Path

12R M ENDO PhD Assoc Prof and Assoc Plant Path
12D C ERWIN PhD Prof and Plant Path 251. S. JONES BS Assoc Expt Sta (Plant Path)

12M J KOLBEZEN PhD Lect and Chem

12ISAAC MALCA PhD Lect and Asst Plant Path

121 T MIDDLETON PhD Prof and Plant Path 12D F MINNECKE PhD Prof and Plant Path

12HENRY SCHNEIDER PhD Lect and Plant Path

12J S SEMANCIK PhD Lect and Asst Plant Path

12J J SIMS PhD Lect and Asst Chem

12P H TSAO PhD Assoc Prof and Assoc Plant Path 2MRS PAMELA W TSAO MS Assoc Expt Sta (Plant Path)

12J M WALLACE PhD Prof and Plant Path

12L G WEATHERS PhD Lect and Assoc Plant Path 25N S WILSON MS Assoc Expt Sta (Plant Path)

12G A ZENTMYER PhD Prof and Plant Path

Soils and Plant Nutrition

1320

12P F PRATT PhD Prof and Chmn of Dept 12 J P MARTIN PhD Prof and Vice Chmn

12F T BINGHAM PhD Prof and Chem

2G R BRADFORD MS Assoc Spec Expt Sta (Soils and Plant Nutr)

2R F BREWER PhD Assoc Chem

2W D BURGE PhD Assoc Expt Sta (Soils and Plant Nutr)

12N T COLEMAN PhD Prof and Chem

25STERLING DAVIS MS Assoc Expt Sta (Soils and Plant Nutr)

2F M EATON PhD Assoc Expt Sta (Soils and Plant Nutr)

2W J FARMER PhD Asst Chem

2R B HARDING PhD Assoc Chem

12JOHN LETEY Jr PhD Assoc Prof and Assoc Soil Phys

2G F LIEBIG Jr BA Assoc Spec Expt Sta (Soils and Plant Nutr)

25R E LUEBS PhD Assoc Expt Sta (Soils and Plant Nutr)

12J J OERTLI PhD Assoc Prof and Assoc Chem

12A L PAGE PhD Assoc Prof and Assoc Chem

12F F PETERSON PhD Asst Prof and Asst Chem

12S J RICHARDS PhD Prof and Soil Phys

25W F SPENCER PhD Assoc Expt Sta (Soils and Plant Nutr) 12L H STOLZY PhD Assoc Prof and Assoc Soil Phys

12E F WALLIHAN PhD Assoc Prof and Assoc Chem

Vegetable Crops

12J M LYONS PhD Assoc Prof and Chmn of Dept

2W L BERRY PhD Asst Plant Physiol

12G H CANNELL PhD Lect and Assoc Soil Phys

2JUNJI KUMOMOTO PhD Assoc Chem

12P D LEGG PhD Asst Prof of Biom and Asst Genet 12L F LIPPERT PhD Lect and Assoc Oler

20 D McCOY BS Assoc Spec Expt Sta (Veg Crops) 20 E SMITH PhD Asst Plant Physiol

2F H TAKATORI BS Assoc Spec Expt Sta (Veg Crops)

Extension Service (Aar)

3H W SCHWALM BS Asst State Dir

3A D AUI FNBACHER MS 4-H Club Spec

3R M BOARDMAN BA Ext Inform Spec
3R L BRANSON PhD Ext Soils and Water Spec

3A S DEAL MS Ext Ent

3W C FAIRBANK BS Ext Agr Engin

3TOKUJI FURUTA PhD Ext Omam Hort

3W H ISOM PhD Ext Agron

3HUNTER IOHNSON Ir MS Ext Veg Crops Spec

3A H LANGE PhD Ext Weed Control Spec

3T M LITTLE PhD Ext Biomet

3C D McCARTY BA Ext Hort Technol

3A W MARSH PhD Ext Irrig and Soils Spec

3A O PAULUS PhD Ext Plant Path

3R G PLATT BS Ext Subtropical Hort 3Mrs MARIAN G PRENTISS MS Asst Prog Leader

Home Econ

3J D RADEWALD PhD Ext Plant Nematol

3J M RIBLE PhD Ext Technol

3B C BOCK PhD Ext Econ

M H SWANSON PhD Ext Poultry Spec

3R D VAN BRACKLE BS Ext Inform Spec

3W W WOOD Jr PhD Ext Econ

Field Stations

1350

Agricultural Field Stations PO Davis-

2J L MYLER MS Spec Expt Sta and Head

2F P SPECK BS Spec Expt Stg and Asst Head 2C I SCHULTZ BS Assoc Spec and Engr

Antelope Valley PO Lancaster-

Deciduous Fruit PO San Jose -

A M AMSTUTZ Prin Supt of Cult Expt Sta and Supt Honland PO Honland-

2A H MURPHY BS Spec Expt Sta and Supt

Imperial Valley PO El Centro-

2GF WORKER Jr MS Assoc Spec Expt Sta and Supt Keamey Horticultural PO Reedley-

F B CODDINGTON BS Asst Spec Expt Stg and Supt

Extension Service (Agr)

3J V PATTERSON BS Asst State Dir

3B C DOWNING BS 4-H Club Spec 3K W OPITZ BS Ext Subtropical Hort

3J P SCHROEDER BS Area Farm Adv

3E A YEARY BS Farm Adv-Statewide Lindcove PO Exeter

2R D COPEL AND MS Asst Spec Expt Sta and Supt Sierra F∞thill Range PO Browns Valley

2J P GUILD BS Assoc Spec Expt and Supt

South Coast PO Santa Ana-

2D F MILLEN Spec Expt Sta and Supt Tulelake PO Tulelake-

Y P PURI MS Assoc Spec Expt Sta and Supt West Side PO Five Points-

R M HOOVER MS Spec Expt Sta and Supt

Departmental Field Stations

Deciduous Fruit PO Winters-Dept of Pomol Davis

Grape PO Napa-Dept of Vitic and Enol Davis

Rice PO Biggs-

1330

Dept of Agron Davis

Humboldt State College, Arcata 95521 1 College Staff 4Leave of Absence

1362

1360

1C H SIEMENS PhD Pres of College (707 822-1771) 1J D TURNER PhD V Pres of Acad Affairs (707 822-1771)

IR L EWIGLEBEN PhD Dean for Admin Affairs (707-822-1771) II C MILHOUS PhD Dean of Extended Services (707 822-1771)

Forest Management 1364 1P G ANNAND MF Asst Prof Forest Engr 1F J BARON PhD Lect Forest Mgt 1R W BECKING PhD Assoc Prof Forest Mens IE L BRYAN PhD Assoc Prof Forest Products IF F FORRISTALL MF Asst Prof Forest Mat 14H A FROEHLICH BS Asst Prof Forest Engr IR A KUEHNER MF Instr Forest Mat

1W F MURISON PhD Asst Prof Forest Rec 14G L PARTAIN BS Assoc Prof Forest Econ 14E W PIERSON MF Assoc Prof Forest Mgt 14E E STURGEON PhD Assoc Prof Forest Mgt 1D A THORNBURGH PhD Asst Prof Silvic

Game Management 1344 14R E GENELLY PhD Assoc Prof Game Mat and Chrman Div of Natural Res IS W HARRIS PhD Assoc Prof Game Mgt and Coordinator of Game Mat 1 A S MOSSMAN PhD Asst Prof Game Mat IC F YOCOM PhD Prof Game Mat Range Management 1368

IG B DONART PhD Asst Prof Range Mgt Natural Resources

IM B RHEA PhD Prof Soils

# COLORADO

The Colleges of Agriculture, Engineering, Forestry, Home Economics, and Veterinary Medicine, the Agricultural Experiment Station, and the Cooperative Extension Service of Colorado State University, Fort Collins 80521

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6Other Govt Agency 7Misc

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of Sta (303-491-5373) 13L II WATTS MS Dir Univ Service and Dir of Ext Serv (303-491-6281)

1H H STONAKER PhD Dean of Col of Aur (303-491-

1E J F EARLY MEd Asst Dean of Agr 2D F HERVEY PhD
1J M WHALLEY MS
1G W HAMILTON BS
2G W HAMILTON BS
2G W HAMILTON BS

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5C V COLE PhD Soil Sci Soil Chem 12D W CRUMPACKER PhD Assoc Prof Crop Brdg

Hybridization Corn 12B C CURTIS PhD Assoc Prof Crop Brdg Hybridization Small Grains

12R E DANIELSON Phd Prof Soil Phys 12A D DOTZENKO PhD Prof Crop Management

12K G DOXTADER PhD Asst Prof Soil Microbiol 3J W ECHOLS MS Ext Agron Seed Certif

23R H FOLLETT MS Junior Agron (Soils) and Ext Agron (Soil Test) Soil Fert and Chem

12W T FRANKLIN MS Soil Chem (Salinity)

Agronomy-Continued

12T E HAUS PhD Prof Crop Brdg Hybridization Small Grains

5R J HECKER PhD Genet

23R D HEIL MS Asst Agron (Soils) and Ext Soils Spec Soil Fert and Chem

5EDWIN JAMES PhD Head of Natl Seed Storage Lab Sanda

12D D JOHNSON PhD Prof Soil Microbiol

125W D KEMPER PhD Prof and Soil Sci Soil Physics 12W H LEONARD PhD Prof Field Crops Emeritus

12W L LINDSAY PhD Assoc Prof Soil Chem Micronutrients

5S R OLSEN PhD Soil Sci Soil Chem

12R L PHIPPS MS Instr Soils

5R W PYLMAN Jr MS Genet

12D L REEVES MS Instr Field Crops

234J O REUSS PhD Asst Agron (Soils) and Ext Soils Spec Soil Chem

12D W ROBERTSON PhD Prof Crop Brdg Hybridization Barley Cenet

12D S ROMINE MS Assoc Prof Soil Genesis Classif and Surveying

12S D ROMSDAL MS Asst Prof Soil Fert Micronutrients

12W R SCHMEHL PhD Prof Soil Fert Chem

3W G STEWART BS Ext Agron Field Crops Gen Agron 5C E TOWNSEND PhD Genet Plant Genet Clover

5F S WATANABE MS Soil Sci Soil Chem

5C J WHITFIELD PhD Soil Sci Soil-Water-Plant-Residue Interrelations

12D R WOOD PhD Prof Crop Brdg Hybridization Cytogenet

Animal Disease

1369

1370

1390

12N H BOOTH DVM PhD Dean of Col of Vet Med Chief Anim Dis Sect

1W A AANES DVM MS Prof Vet Clin and Surg 1Y A ABDELBAKI BVS PhD Assoc Prof Vet Angt

10 R ADAMS DVM MS Prof and Head Dept of Vet Clin and Surg

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1 A H DAHL PhD Prof Rad Biol

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12CHARLES DICKIE DVM Asst Pathologist

IGP EPLING DVM MS Prof Histol

1G C FARRIS MS Junior Rad Biol

12LC FAULKNER DVM PhD Assoc Prof Vet Clin and Surg

1R D FRANDSON DVM MS Prof Vet Anat

IR J GARNER MRCVS MVS Prof Rad Biol and Dir Collabor Radiol Health Anim Res Lab

1E L GILLETTE DVM PhD Asst Prof Radiol IA B GOODMAN PhD Instr Physiol

1H A GORMAN DVM MS Prof Vet Clin and Surg

1J W GOWEN PhD Prof Rad Biol

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Animal Disease-Continued

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12DWAYNE HAMAR PhD Asst Chemist

1G H HANKES DVM Instr Vet Med 1R A HERIN DVM MS Asst Prof Physiol

12C P HIBLER PhD Assoc Prof Parasitol

12A B HOERLEIN DVM PhD Prof Microbiol

12NORMAN HOMAN BS Asst Anim Husb

1J T INGRAM DVM Asst Prof Vet Clin and Surg

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1J E JOHNSON MS Asst Prof Radiol and Rad Biol and Asst Animal Sci

1R M JOHNSON PhD Prof Physiol and Dir Facil Develop

IR A KAINER DVM MS Assoc Prof Vet Anat

1M T KOSTER DVM Instr Radiol

1T T KRAMER DVM PhD Asst Prof Microbiol

1A C LEE DVM MS Asst Prof Rad Biol

1D C LUEKER PhD Asst Prof Microbiol

IW V LUMB DVM PhD Prof Vet Surg and Clin

1BILLY MARTIN DVM Instr Vet Clin and Surg

1J F MASKEN PhD Asst Prof Physiol

1HERMANN MEYER DVM PhD Assoc Prof Vet Anat

12V A MILLER DVM MS Prof Microbiol

1J A MODRICK PhD Assoc Prof Psych and Psych Rad Lab

1S M MORRISON PhD Prof Microbiol

1D J NASH PhD Assoc Prof Rad Biol

1J E OGG PhD Prof Microbiol and Asst Dean Grad School

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1R W PHILLIPS DVM PhD Asst Prof Physiol

1R E PIERSON DVM Prof Vet Med

12ROBERT RUBIN DVM MS Prof Parasitol

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IG A SEVERIN DVM MS Assoc Prof Vet Med

INORVAL SINCLAIR PhD Asst Prof Microbiol

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1 THOMAS STULTS BS Junior Anim Husb

1HENRY SWAN MD DS Prof Res in Surgery

IJB TASKER DVM PhD Assoc Prof Vet Med

1R P TENGERDY PhD Assoc Prof Microbiol IW I TIETZ Ir DVM PhD Assoc Prof Radiat Biol and

Physiol

12R H UDALL DVM PhD Prof Nutr Path 1G D VANLANDINGHAM Junior Physiol

1J L VOSS DVM MS Assoc Prof Vet Clin and Surg

1L K WAYT DVM PhD Prof and Head Dept Vet Med

1F W WHICKER MS PhD Asst Rad Biol

1C E WHITEMAN DVM PhD Assoc Prof Path

12STUART YOUNG DVM PhD Assoc Prof Path

1T R BLACKBURN MS Assoc Prof Swine

5J R BRINKS Affiliate Professor An Br

12W E CONNELL MS Prof Livestock

12D A CRAMER PhD Assoc Prof Meats

3W R CULBERTON BS Asst Ext Anim Husb

12F C DAUGHERTY MS Prof Beef Cattle

2A H DENHAM MS Asst Anim Sci 12A L ESPLIN PhD Prof Sheep 123M W HEENEY PhD Asst Anim Nutr and Ext Livestock Spec

12J E. JOHNSON PhD Asst Prof Radiation Biol

3D C JORDAN MS Ext Dairyman

12K L KNOX PhD Asst Prof Anim Nutr and Physiol

123J K MATSUSHIMA PhD Prof and Anim Nutr and Ext Livestock Spec

12E K McKELLAR MS Assoc Prof Dairy Husb

3P S PATTENGALE MS Ext Anim Husb

12R W PHILLIPS PhD Asst Prof Physiol and Anim Nutr

2K H RIDDLE BS Asst Anim Sci

12H E SAUBERLICH PhD Affiliate Prof Anim Nutr

3G E SCOTT MS Ext Sheep and Wool Spec 12W E SNYDER PhD Assoc Prof Dairy Mfg

1H H STONAKER PhD Prof Brdg and Dean of

Agriculture

# Animal Science-Continued

12C D STORY PhD Prof Anim Nutr 124T M SUTHERLAND PhD Assoc Prof Anim Genet 12V B SWANSON PhD Assoc Prof Sheep and Wool 12G M WARD PhD Prof Anim Nutr 12L E WASHBURN PhD Prof Anim Nutr

2D W WILSON MS Junior Chem

Audio-Visual Service

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1JAMES FRENCH TV Engr

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# Biometrics Unit

1405

1J S WILLIAMS PhD Assoc Prof of Statis and Dir of Biometrics Unit

1D C BOES PhD Asst Prof of Statis

1D C BOWDEN MS Instr of Statis
1P W MIELKE PhD Asst Prof of Statis

1J SRIVASTAVA Prof of Statis

Botany and Plant Pathology

1410

12R T WARD PhD Prof Botany and Act Head of Dept 12J ALTMAN PhD Assoc Prof Plant Path

12R R BAKER PhD Prof Plant Path

3L E DICKENS PhD Plant Path

12J L FULTS PhD Prof Bot

5J O GASKILL MSc Plant Path 12H D HARRINGTON PhD Prof Plant Classif

2M D HARRISON PhD Assoc Prof Plant Path 12H M HEPWORTH MSc Junior Plant Physiol

12BRUNO KLINGER MSc Prof Bot

12W A KREUTZER PhD Prof Plant Path

12C H LIVINGSTON MSc Assoc Prof Plant Path 2NS LUEPSCHEN PhD Assoc Plant Path

12NAGAYOSHI OSHIMA PhD Asst Plant Path

2D J PHILLIPS MSc Junior Plant Pathol 5E E SCHWEIZER PhD Plant Physiol

12D W SMITH PhD Assoc Plant Physiol

2Mrs MILDRED L THORNTON MSc Seed Anal

Chemistry

1400

1420

12D D MAAG PhD Prof Biochem Head of Dept 1CAMERON AINSWORTH PhD Assoc Prof Organic Chem

1PARVIZ AZARI PhD Asst Prof Biochem

1R E CARLSON PhD Prof Organic Chem 12L W CHARKEY PhD Prof Anim Nutr

IN A DAUGHERTY PhD Asst Prof Inorganic Chem

1P R FREY PhD Prof Inorganic Chem

1J H GIBSON PhD Assoc Prof Anal Chem

1Mrs ADA MAE GUARD BS Inorganic Chem

12M L HOPWOOD PhD Prof Biochem 12DUANE JOHNSON MS Asst Prof Biochem

12GESTUR JOHNSON MS Prof Biochem

12ADELINE K KANO BS Asst Prof Biochem

1W B KING MS Assoc Prof Inorganic Chem

1J J LEHMAN PhD Prof Organic Chem 1J L MARTIN PhD Assoc Prof Biochem

12R P MARTIN PhD Prof Biochem

1MARJORIE MAYER MS Asst Prof Inorganic Chem

1L L MILLER PhD Asst Prof Organic Chem 1F A MOMANY PhD Asst Prof Phys Chem

1T R MUSGRAVE PhD Asst Prof Inorgonic Chem 1G G OLSON PhD Assoc Prof Phys Chem 1A R PATTON PhD Prof Biochem

12MERLE G PAYNE MS Prof Biochem
1H S PULLESTON PhD Prof Inorganic Chem
1J C ROBERTSON PhD Asst Prof Organic Chem

1G H SPLITTGERBER PhD Prof Inorganic Chem

1R P TENGERDY PhD Assoc Prof Biochem Physio 1R D THOMPSON PhD Prof Organic Chem

1G W TOMPKIN PhD Assoc Prof Phys Chem

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1420-1480 COLORADO

Chemistry-Continued

IJ D VAUGHAN PhD Assoc Prof Phys Chem 1C G WARREN PhD Assoc Prof Inorganic Chem 1K W WATKINS PhD Asst Prof Phys Chem

**Economics and Sociology** 

1430

12S C SMITH PhD Prof Econ and Chairman of Dept 5R L ANDERSON PhD Rural Devlpmt Div ERS USDA 1P W BARKLEY PhD Asst Prof Econ 3S G CASE MS Community Devipmt 12C R CREEK MS Assoc Prof Econ 3H E CRIM MS Farm Mgmt 3W A GREER Civil Defense 3H P GRONEWOLLER MS Form Mgmt Spec 12L M HARTMAN PhD Assoc Prof Econ 124P E HILDEBRAND PhD Assoc Prof Econ 124R B HUGHES PhD Prof Econ 5E C HUNTER PhD Agr Adj Br ERS USDA 1K C NOBE PhD Assoc Prof Econ 5N E LANDGREN PhD NRE Div ERS USDA 124J H LEWIS PhD Assoc Prof Econ 3Mrs JEANETTE LYNCH MS Consum Mkt 12A G MADSEN PhD Asst Prof Econ 5J A MUNGER PhD Assoc Prof Affil USDA 3S K OAKLEAF BS Agr Econ 12R D REHNBERG PhD Prof Econ D D ROHDY PhD Assoc Prof Agr Econ 12D A SEASTONE PhD Assoc Prof Econ 12D W SECKLER PhD Asst Prof Econ 5H G SITLER MS Agr Adj Br ERS USDA 5J E STAHL BS Assist Prof Affil

Education (Agr)

1440

IR W CANADA EdD Prof and head Voc Educ (Agr) 1I C CROSS MEd Assoc Prof Voc Educ (Agr) 1E E JULSON PhD Assoc Prof Voc Educ (Agr)

3J H Wi.: 'AS Livestock Mktg

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1460

Engineering Center 1L V BALDWIN PhD Prof and Dean College of Engin Chem Engin Fluid Flow (303-491-6603) 12D B SIMONS PhD Prof and Assoc Dean for Research Sec Chief Civ Engin Hydraulics (303-491-8657) 12N A EVANS PhD Prof and Head Agr Engin Irrig Drain grd water (303-491-6576) 1J W N FEAD PhD Prof and Head Civ Engin Struct (303-491-6698) IE R REITER PhD Prof and Act Head ('66-67) AT Sc (303-491-5421) 14HERBERT RIEHL PhD Professor and Head AT Sc Dynm At Motion (303-491-5421) IM L ALBERTSON PhD Prof Civ Engin Hydraulics IFERDINAND BAER PhD Assoc Prof At Sc 12R D BARMINGTON BS Assoc Agr Engin Mech 1A H BARNES PhD Assoc Prof Civ Engin Hydrology IF C BELL PhD Fac Affil Civ Engin Hydrology
IJ M BELL PhD Assoc Prot Civ Engin Soil Mech

of Engin Admin IG J BINDER PhD Asst Prof Civ Engin Mech 12M W BITTINGER MS Assoc Prof Civ Engin Grd Water

1C C BRITTON MS Assoc Prof Elec Engin Instr 5R H BROOKS PhD Agr Engin Grd Water and Hydrology 3F E BROWN BS Ext Irrig Spec Agr Engin Irrig 1J E CERMAK PhD Prof Engin Mech Fluid Dynam

14ME BENDER MCE Prof and Dean SEATO Grad School

12S J CLARK PhD Asst Prof Dynamics of Mach Agr Engin

12A T COREY PhD Prof Agr Engin Grd Water and Hydrology

Engineering Center-Continued

12R D DIRMEYER Jr MS Asst Prof and Admin Engin Civ Engin 2HAROLD DUKE MS Junior Civ Engin Grd Water

IC L FINN MS Ast Elec Engin Instrand Control IW U GARTSKA MS Prof Civ Engin Hydrology 12JOHANNES GESSLER PhD Asst Prof Civ Engin Hydraulics

IA P G GIORGINNI PhD Asst Prof Fluid Mech IRE GLOVER MS Temp Prof Civ Engin Grd Water IJR GOODMAN MS Asst Prof Civ Engin Struct 12L O GRANT MS Assoc Prof Atmos Sci 1W M GRAY PhD Asst Prof At Sc

12R W HANSEN MS Assoc Prof Agr Engin Crop Storage and Struct

1R W HAYMAN MCE Asst Prof Civ Engin Struct 12D F HEERMANN MS Junior Agr Engin Irrig and Drain

12D L HENDERSON MS Agr Engin Mech 1G M HIDY DE Affil Assoc Prof Civ Engin Fluid Mech:

12M E HOLLAND PhD Asst Prof Civ Engin Hydrology 124SUSUMU KARAKI MS Assoc Prof Civ Engin Hydraulics

12H J KOLOSEUS PhD Assoc Prof Civ Engin Hydraulics

5E G KRUSE PhD Agr Engin Irrig and Drain 12R A LONGENBAUGH MS Asst Prof Civ Engin Grd Water

1J D MAHLMAN MS Inst At Sc 1RADMILO MARKOVIC PhD Asst Prof Civ Engin Hydraulics

1J D MARWITZ MS Inst At Sc

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1J N NATH MS Assoc Prof Civ Engin Hydraulics IMAXWELL PARSHALL BS Assoc Prof Civ Engin Water Supply

1E J PLATE PhD Assoc Prof Civ Engin Fluid Mech IJ L RASMUSSEN MS Inst At Sc

12W F ROWLAND MS Asst Prof Civ Engin Hydraulics 1J F RUFF BS Junior Civ Engin Hydraulics IV A SANDBORN MS Assoc Prof Engin Mech Fluid Dynam

14E F SCHULTZ MS Assoc Prof Civ Engin Hydrology 1H H SCHWEIZER MS Assoc Prof Civ Engin Mech 1H W SHEN PhD Assoc Prof Civ Engin Fluid Mech

14R T SHEN MS Asst Prof Civ Engin Water Reclam 1P C SINCLAIR PhD Asst Prof At Sc 12M M SKINNER MS Asst Civ Engin Grd Water

1E K SMITH PhD Affil Prof At Sc 12G L SMITH MS Asst Prof Civ Engin Hydrology

1PATRICK SQUIRES DSc Affil Prof At Sc 12D K SUNADA PhD Asst Prof Civ Engin Grd Water 40 J TRENARY BS Ext Agr Engin Struct Mech 12J T TULLIS PhD Asst Prof Civ Engin Hydraulics
1D M VANDERBILT PhD Asst Prof Civ Engin Struct

12J C WARD PhD Assoc Prof Sanit Engin Water Pollu 12V M YEVDJEVICH PhD Prof Civ Engin Hydrology

Entomology 12L B DANIELS PhD Prof Ent and Head of Dept

3W M HANTSBARGER MS Ext Ent 25L E JENKINS MS Asst Prof Survey 12R E JOHNSEN PhD Asst Prof Toxic Residue 4A S KAMAL PhD Assoc Prof Toxic Residue

12R G SIMPSON PhD Asst Prof Field Crops 2R I STARR MS Junior Chem

12T O THATCHER PhD Prof Res Instr 12S G WELLSO PhD Asst Prof Range Insects 4W T WILSON MS Asst Prof Apiculture

5N D WYGANT PhD Ent Chief of Div Special Lecturer

Extension Administration

1480

1470

13L H WATTS MS Dir Tel 303-491-6281 3S A BICE MEd Assoc Dir 3R P BRADY MS Dist Agt Job Counselling and Guidance

1480\_1500 COLORADO

# Extension Administration- Continued

3R E BROOKS BS Asst State 4-H Club Leader

3D K CHADWICK BS Dist Agt Job Counselling and Guidance

3M L ECKARD MEd In-Service Trg Officer

3C W HERZMAN MEd Agr Prog Leader

3S S HOAR BS Staff Asst

13C J HOFFMAN PhD Assoc Dir Continuing Educ 3Mrs LOIS H HUMPHREY MEd Home Econ Prog Leader

3F B KAEHLER MS Asst State 4-H Club Leader 3Mrs MILDRED MASTERSON MS Asst Home Econ Leader

3G T MICKLE MS Dist Agt Job Counselling and Guidance

3C E NELSON MS Dist Agt Job Counselling and Guidance 3D K OLSEN MS Fiscal Asst

3AUDREY M SANDSTEAD MEd Asst State 4-H Club

3C G STAVER MEd State 4-H Club Leader

3F C TAYLOR BS Asst Dir

# Miscellaneous

1483

3Mrs COLEEN BROWN BS Ext Research Proj Asst 3S G CASE MS Community Devlpmt Spec 3W A GREER Army Intel School Rural Civ Def Spec 3R J KOTICH Med Ext Conserv

# Specialists

1487

1490

3B I. BOHMONT MS Ag Chem Spec

36T B BORDEN MS Ext For and State For

3F E BROWN BS Ext Irrig Spec

3W W BROWN DVM Ext Vet

3H E CRIM MS Form Mogmit

3W R CULBERTSON BS Ext Anim Husb

3L E DICKENS PhD Ext Plant Path

3C M DRAGE BS Ext Hort

3J W ECHOLS MS Seed Certif

23J E ELLS PhD Asst Hort and Ext Can Crops Spec

23H L ENOS MS Asst Poultry SC and Ext Poultryman 23R H FOLLETT MS Junior Agron (soils) and Ext

Agron (Soil Test)

3H P GRONEWOLLER MA Form Mgmt 3W M HANTSBARGER MS Ext Ent

3BARBARA L HAWK MS Ext Clothing Spec

3P E HEIKES MS Ext Weed Control Spec

23R D HEIL MS Asst Agron (soils) and Ext Soils Spec 23M W HEENEY PhD Asst Anim Nutr and Ext Livestock Spec

3D C JORDAN BS Ext Dairyman

3K W KNUTSON PhD Ext Potato Impr Spec

3Mrs JEANETTE M LYNCH MS Consum Mktg

123J K MATSUSHIMA PhD Prof and Anim Nutr and Ext Livestock Spec

3P C MINTER PhD Ag Chem Spec

3Mrs MADELINE E MOOS MS Ext Home Mgt Spec

3S K OAKLEAF BS Commun Serv Spec

3P S PATTENGALE MS Ext Anim Husb

3G E SCOTT MS Ext Sheep and Wool Spec

3Mrs MARY G SHAFFER MS Ext Home Furn Spec

23J V SHUTZE PhD Assoc Poultry Sc and Ext Poultryman

3Mrs LESLIE W SMITH MS Ext Foods and Nutr Spec

3W G STEWART BS Ext Agron (Field Crops)
3O J TRENARY BS Ext Agr Engin

3.J H WINN MS Ext Mktg Economist

# Forestry and Natural Resources

12C H WASSER MS MF Dean and Prof Range Mgt 12R E DILS PhD Prof of Watershed Mgt and Assoc Dean (Research)

12C W BARNEY DF Prof Silvic and Head For and Wood Sci

12J J NORRIS PhD Prof Range Mgt and Ecol and Head Range Sci

1G A SWANSON PhD Prof Wildlife Cons and Head Fishery & Wildl Biol

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1D L ADAMS MS Instrin For 12JOZSEF BIDIG PhD Assoc Prof Wood Technol

3T B BORDEN MS State For

1D L CREWS PhD Asst Prof Wood Technol
2BILL DAHL PhD Assoc Range Cons (San Juan Br

Sta Hesperus) 7R W DAVIDSON MS Res Assoc Wood Sci

12A C EVERSON PhD Assoc Prof Range Forage 12G H FECHNER PhD Assoc Prof For Genet

1D L GILBERT PhD Prof Wildlife Mgt

15F A GLOVER PhD Prof Wildlife Mgt (Coop USDI) 15B C GOODELL PhD Res Prof Watershed Mgt (Coop USDA)

1H K HAGEN PhD Assoc Prof Fisheries Sci 2R M HANSEN PhD Assoc Range Rodent Ecol

5CROSWELL HENDERSON MS Assoc Prof Fisheries

Sci (Coop USDI) 12B M HUEY PhD Assoc Prof For Econ

1K L JOHNSON MS Instr Watershed Mgt 3R J KOTICH MS Ext Conserv

IL E LANE BS Instr in For

2ROBERT MARQUISS PhD Asst Range Cons (E Colo Range Sta Akron)

12J R MEIMAN PhD Asst Prof Watershed Mgt
1E W MOGREN PhD Prof For Mgt

1GEORGE POST PhD Asst Prof Fisheries Sci

14R A RYDER PhD Assoc Prof Wildlife Mgt

5F P SHARPE MS Instr Fisheries Sci (Coop USDI) 13D R SMITH MS Asst Prof Wildlife Mgt and Ext

Wildlife Specialist
1E L SMITH MS Instr in For

1H W STEINHOFF PhD Prof Wildlife Mgt
1W D STRIFFLER PhD Asst Prof Watershed Mgt

12CHAS TERWILLIGER Jr PhD Assoc Prof Range Soils

12H E TROXELL PhD Prof Wood Technol 1G M VAN DYNE PhD Assoc Prof Biology

2T A VAUGHAN PhD Assoc Range Rodent Biol

15R E VINCENT PhD Assoc Prof Fisheries Sci (Coop USDI)

# Home Economics

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1Mrs MILDRED G ARNOLD BS Assoc Prof Home Mgt 14MARJORIE BALL MA OTR Assoc Prof of Occup

Ther and Head of Dept 124Mrs MARGARETE BAER MS Asst Prof Textiles and

Clothing 12FERNE BOWMAN PhD Prof and Head of Dept of Food

Science and Nutr 1ROSALIE CALDWELL MS Instr Child Devlpmt

1Mrs ELAINE C CHARMAN MS Asst Prof Food Sci and

12Mrs MAY COMBS MS Assoc Prof Home Mgt 1Mrs MERRY J DALLAS MS Instr Textiles and Clothing

12JACQUELINE DUPONT PhD Asst Prof Food Sci and Nutr IJANET ELSE MS Instr Textiles and Clothing

ICAROL E GOODMAN MD Asst Prof Occup Ther (Phys Med)

12BARBARA E GREENE PhD Inst Food Sci and Nutr 1DAGMAR GUSTAFSON MS Prof Textiles and Clothing & Head of Dept

12Mrs INEZ HARRILL PhD Assoc Prof Food Sci and

3BARBARA HAWK MS Ext Clothing Spec 1Mrs MARGARET HAZALEUS BS Instr Gen Home Econ 1CATHERINE HOFFMAN MS Asst Prof Occup Ther 3Mrs LOIS H HUMPHREY Home Econ Ldr

1T K JAMES MS Instr Occup Ther

1CAROL KRAMER MS Instr Child Devlmpt 12ANNE M KYLEN MS Asst Prof Food Sci and Nutr 3Mrs JEANNETTE LYNCH MS Ext Consum Mktg Spec

3Mrs MILDRED S MASTERSON Asst Home Econ Ldr

1560

# Home Economics-Continued 3Mrs MADELINE E MOOS MBA Ext Home Mgt Spec

1ALICE MORROW MS Instr Home Mgt 1BARBARA PICKETT MS Asst Prof Occup Ther 1Mrs BARBARA L RAETZMAN BS Instr Occup Ther 1WINIFRED R REYNOLDS MS Assoc Prof Child DevImpt 3Mrs MARY G SHAFFER MHE Ext Home Furn Spec 1Mrs SALLY M SIMS MS Instr Textiles and Clothing
3Mrs LESLIE SMITH MS Ext Nutr Spec 1Mrs DORIS C TRUMP MS Asst Prof Food Sci and Nutr 12Mrs LAURA A VANCE MS Instr Textiles and Clothing IFRANCES M WATTS MS Asst Prof Textiles and Clothing

1Mrs DOROTHY M WELLS MS Asst Prof Gen Home Econ 1Mrs WINIFRED WILLIAMS MA Assoc Prof Textiles and Clothing

1Mrs PATRICIA WILSON MS Asst Prof Textiles and Clothing

12AVIS M WOOLRICH MS Assoc Prof and Head of Dept of Fam Econ, Housing and Mgt

# Horticulture

1510

12R L FOSKETT PhD Prof and Acting Head of Dept Veg Crops

12C W BASHAM PhD Asst Prof Veg Crops 12D W DENNA PhD Assoc Prof Veg Crops

3C M DRAGE BS Ext Hort

23J E ELLS PhD Assoc Hort and Ext Can Crops Spec Vea Crops

4K L GOLDSBERRY MS Asst Prof Flor 12J J HANAN PhD Asst Prof Flor 12W D HOLLEY MS Prof Flor

IC J C JORGENSEN MS Assoc Prof Fruits 3K W KNUTSON PhD Ext Pot Spec

12W G MACKSAM MS Assoc Prof of Ornam Hort 12MILTON WORKMAN PhD Prof Post Harvest Phys

# Information Service

1520

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23Mrs MARCILE N WOOD MS Home Econ Ed

# **Poultry Science**

1540

12R E MORENG PhD Prof and Head of Dept 23H L ENOS MS Asst Poultry Sci and Ext Poultryman 12E W KIENHOLZ PhD Assoc Prof and Assoc Poultry Sci

12B F MILLER PhD Assoc Prof and Assoc Poultry Sci

12H D MULLER PhD Asst Prof and Asst Poultry Sci 2CHERYL F NOCKELS PhD Junior Poultry Sci 23J V SHUTZE PhD Assoc Poultry Sci and Ext Poultryman

# Zoology (Sci & Arts)

10 WOLSEN PhD Prof Parasitol and Head of Dept (Tel 303-491-6494) IP H BALDWIN PhD Prof Ornith IF H BLACKMORE PhD Asst Prof Ecol IR R LECHLEITNER PhD Assoc Prof Mammal IW C MARQUARDT PhD Prof Parasitol 1J F McCLELLAN PhD Assoc Prof Protozool 1D J NASH PhD Assoc Prof Genetics 1DAVID PETTUS PhD Assoc Prof Evolution 1E B REED PhD Asst Prof Limnol IT A WOOLLEY PhD Prof Acarology

# Branch Stations

Arkansas Valley Br Sta PO Rocky Ford

2J F SWINK MS Supt and Asst Hort

2C W DICKIE DVM Asst Vet Path 2F C SCHWEISSING MS Asst Ent

Eastern Colorado Br Sta PO Akron

2A H DENHAM BS Supt and Asst Anim Sci 2B E DAHL MS Asst Range Conserv

Mountain Meadows-Soil-Water PO Box 786 Grand Junction

25F M WILHITE MS Soil Scientist

2T H HALL MS Asst Anim Sci 50 W HOWE MS Agr Engr

2E G SEIMER PhD Asst Agron

San Juan Basin Br Sta PO Hesperus
2K H RIDDLE BS Supt and Asst Anim Sci

2R W MARQUISS MS Asst Range Cons

2K A SCHLIEBE MS Asst Agron

San Luis Valley Br Sta PO Center
2J G WALKER MS Supt and Asst Agron

2F D MOORE III PhD Asst Hort

2P SOLTANPOUR PhD Asst Hort

2J A TWOMEY MS Asst Hort

Southeastern Colorado Br Sta PO Springfield

2H O MANN MS Supt and Assoc Agron

US Central Great Plains Sta PO Akron

5ROME MICKLESON MS Acting Supt and Agr Engr

2G O HINZE MS Asst Agron (Crops) 5B W GREB MS Soil Scientist

45R W SHAWCROFT BS Soil Scientist

Western Slope Br Sta PO Austin

2E A ROGERS MS Assoc Supt and Asst Hort Western Slope Br Sta 3174 B1/2 Road Grand Junction

23C R URE PhD Supt and Hort

2A D BULLA BS Junior Ent 2N S LUEPSHEN PhD Assoc Plant Path

2J A QUIST PhD Assoc Ent

Western Slope Br Sta Fruita PO 786 Grand Junction 2C W ROBINSON BS Asst Agron (Soils) 2J C HOFF MS Asst Agron (Crops) 2H M GOLUS Junior Agron (Soils)

# CONNECTICUT

College of Agriculture, the Agricultural Experiment Station, and the Agricultural Extension Service of the University of Connecticut, Storrs 06268 (Teleg address, Storrs via Willimantic; and RR sta exp address, Willimantic)

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA

1570

1H D BABBIDGE Jr PhD LLD Pres of Univ

IJ M EVANS MBA Fiscal Vice Pres 1E V GANT MS Provost of Univ

123 W B YOUNG MS DAgr Deam of Col of Agr Dir of Sta Dir of Agr Ext (Tel area 203 429-9321 Ext 238)

1E J KERSTING DVM WS Asst Dean of Agr and Dir of Ratcliffe Hicks Sch of Agr and Snort Courses

2W C KENNARD PhD Assoc Dir of Sta

3H M HANSEN MS Assoc Dir of Agr Ext

123J H AUSTIN Comptroller

# Animal Diseases

1580

123C F HELMBOLDT DVM PhD Dipl ACVP Prof of Compar Puth and Head of Dept 2E H BASDEN II MS Res Asst Vet Bact

2A A BRENNAN Jr BS Res Asst Anim Husb

2LORANT BUKO DVM Res Asst 2Mrs ARLINE L BURDICK Res Asst

2Mrs CARROLL N BURKE PhD Asst Prof Vet Virol

2W E BURR MS Asst Prof Vet Serol

2W K BUTTERFIELD MS Res Asst Vet Virol

2E R CARMAN BS Res Asst Biochem 2T W CHOMIAK MS Res Asst Vet Virol

123W H DANIELS DVM Assoc Prof Clin Mammal Med

# Animal Diseases-Continued

13M N FRAZIER DVM MPH Assoc Prof Avian Clin Med

123T N FREDRICKSON DVM PhD Assoc Prof Expt Path

2Mrs EDITH H GASPER Res Asst

2P B GAUTHIER MS Res Asst 2R S HIRTH DVM MS Res Asst Compar Path

2F B HOWARD DVM PhD Res Assoc Compar Path

2J L INHELDER DVM Res Asst Compar Path

2C C JANNKE BS Res Asst Biochem

2EBERHARD KARBE DMV Res Asst Compar Path

12A J KENYON DVM PhD Prof Biochem

1E J KERSTING DVM MS Prof Clin Mammal Med

2S D KOTTARIDIS MS Res Asst

2R E LUGINBUHL PhD Prof Vet Virol

2E W MATHIESEN DMV Res Asst Vet Virol

2J H L MILLS DVM PhD Assoc Prof Compar Path

2A H MOSHER DVM MS Instr Compar Path

12S W NIELSEN DVM PhD Dipl ACVP Prof Compar Path

2W J PARIZEK BS Instr Vet Bact 2R P PIROZOK MS Instr Histol Tech

123CRAIGMYLE RIDDELL DVM Res Asst Compar Path

2ARNOLD ROSEN BS Res Asst Vet Virol 2T R SAWA DVM Res Asst Compar Path

2LYNN E SCHELLIG BA Res Asst Vet Bact

2Mrs SARAH B STEPHENS BS Res Asst Vet Bact

2Mrs MARJORIE D STROSS Res Asst

2T W SWERCZEK DVM MS Res Asst Compar Path

2PATRICIA J TIMMINS Res Asst

2M E TOURTELLOTTE PhD Assoc Prof Biochem and

2H J VAN KRUININGEN DVM Assoc Prof Vet Path

2L F WILLIAMS MS Asst Prof Vet Bact

2R E WOLKE DVM MS Res Asst Compar Path

# Animal Industries

123W A COWAN PhD Prof Anim Genet and Head of Dept

1A B BENNETT BS Res Asst Dairy Mfg

3R H BENSON PhD Assoc Prof Anim Genet

3L R BROWN PhD Asst Prof Dairy Prod

2M C CALHOUN MS Res Asst Anim Nutr

12L R DOWD MSA Prof Dairy Mfg
12H D EATON PhD Prof Anim Nutr
1W S GAUNYA PhD Assoc Prof Anim Genet

2M R GEBAUER BS Res Asst Reprod Physiol

IL R GLAZIER MS Assoc Prof Dairy Mfg

1D A GRANT MS Res Asst Anim Genet 12N S HALE PhD Prof Anim Genet

2R C HALL Jr MS Res Asst Anim Nutr

2R W HAMMOND BS Res Asst Dairy Mfg

3H M HANSEN MS Prof Dairy Husb

2H D HURT BS Res Asst Anim Nutr 12R G JENSEN PhD Prof Dairy Mfg

12R E JOHNSON MS Assoc Prof Dairy Husb

1J M KAYS AM Assoc Prof Anim Husb

12D M KINSMAN PhD Assoc Prof Anim Husb 2R J KOMAREK PhD Res Asst Reprod Physiol

12Mrs HELEN P MacLEOD PhD Assoc Prof Dairy Mfg

13L A MALKUS PhD Asst Prof Anim Husb

1A I MANN MS Prof Dairy Husb (on foreign assignment) 12M E MORGAN PhD Prof Dairy Chem

1G R NORMAN MS Res Asst Dairy Mfg

1L A PETERSON BS Res Asst Anim Husb

12B W PICKETT PhD Assoc Prof Reprod Physiol 2I F ROUSSEAU PhD Assoc Prof Anim Nutr

2JOSEPH SAMPUGNA MA Res Asst Dairy Mfg

12A C SMITH PhD Assoc Prof Dairy Mfg

1B A WALTERS BS Res Asst Anim Husb

1N R WRIGHT BS Res Asst Anim Husb

123W B YOUNG MS DAgr Prof Anim Husb

Economics (Aar)

1600

1590

123S K SEAVER PhD Prof and Head of Dept

23J P H BRAND Phd Assoc Prof

23A W DEWEY MS Prof

13G A ECKER MS Assoc Prof Farm Mgt 3N E ENGEL MS Asst Prof

123R O P FARRISH PhD Assoc Prof

Economics (Agr)-Continued

12I F FELLOWS PhD Prof

123I W HARDIE Phd Asst Prof 12S B JOHNSON Phd Assoc Prof

123STEWART JOHNSON PhD Prof

12M W KOTTKE PhD Prof

2R E LAMBERT BA Res Asst

23R L LEONARD PhD Asst Prof

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23W R REILLY PhD Asst Prof

1D E WILCOX MS Prof (on foreign assignment)

# Editorial

1610

123A R MEADE MS Assoc Prof Agr Ext and Res and Head of Dept

123J D ALLIE BS Pubs Ed

123W D BECKENHOLDT BSA News Ed

1234 R CAVITT Ir BA Pubs Ed

123JOHN SCARCHUK MS Distrib Ed 123D O WARDWELL MS Radio-TV Ed

# Engineering (Agr)

1620

123W C WHEELER MSAE Prof and Head of Dept

23J W BARTOK Jr BS Res Asst

3W B CORNISH Jr BS Res Asst

12J B GREINER MSAE Assoc Prof

1G W HAWKINS Jr MS Asst Prof (on foreign assignment)

123J J KOLEGA MSAE Assoc Prof

13E L PALMER MA Assoc Prof

3R E PHILLIPS MS Asst Prof

2R P PRINCE MS Assoc Prof 12J H WHITAKER MSA Assoc Prof

# Extension Administration

1630

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3Mrs DORIS A LANE MA Assoc Prof Home Econ and State Home Demon Ldr 34NOREEN A RAY MEd Asst Prof Agr Ext and Assoc

State 4-H Club Ldr 130 S TRASK MA Assoc Prof Agr Ext and 4-H Spec in

Older Youth 3G E WHITHAM MS Assoc Prof Agr Ext and County Agt

# Genetics (Anim)

Ldr

1640

2L J PIERRO Phd Prof and Head of Dept 2Mrs JOANNE E COGHILL MA Res Asst 2P F GOETINCK PhD Asst Prof

2Mrs IEAN S SPIGGLE MS Res Asst

# Home Economics

12HELEN G CHAMBERS MA Prof Cloth Test and Relat Art and Actg Dean of Sch 1ELEANOR M BOETTKE MS Assoc Prof Cloth Text

and Relat Art

12THOMAS BROOKS PhD Assoc Prof Fam Econ and Mat 1 ANNE S CALVERT MS Instr Cloth Test and Relat

3JANINA M CZAJKOWSKI EdD Assoc Prof Foods and

Nutr 1ELNA E DANIELS MS Asst Prof Inst Mgt

1ALBERT DREYER PhD Assoc Prof Child Devlpmt and Fam Relat 3Mrs ELSIE B FETTERMAN PhD Assoc Prof Home

Mat 3EVELYN V HARTLEY MEd Asst Prof Home Furn 1Mrs MARIE G HELMBOLDT MS Asst Prof Fam Econ

and Mgt 1G H HOTTE SM Assoc Prof Cloth Text and Relat Art

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Home Economics-Continued	Baulani Salania Cont	
1F G HUMPHREY EdD Asst Prof Child Devlpmt and	Poultry Science-Continued 12K N HALL PhD Asst Prof Poultry Prods	
ram rielat	2J L LAMBERT BSA Res Asst Poultry Husb	
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ILCOISE I JOHNSON MS Instr Cloth Text and Relat	2W J PUDELKIEWICZ PhD Asst Prof Anim Feeds	
Art	12F A RYAN MSA Assoc Prof Poultry Husb	
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Relat	2J J TLUSTOHOWICZ BS Res Asst Poultry Nutr	
3Mrs DORIS A LANE MA Assoc Prof and State Home		
Demon Ldr	Rural Sociology	1680
1TATIANA LEVCOWICH MS Assoc Prof Foods and Nutr	12W C McKAIN Jr PhD Prof and Head of Dept	1000
Mrs ELEANORE B LUCKEY PhD Prof Child Devloret	12E G STOCKWELL PhD Prof Demog	
and Fam Relat	12N L WHETTEN PhD Prof	
1 WILLIAM McLEOD MS Instr Cloth Text and Relat		
12Mrs INGEBORG MacKELLAR PhD Prof Foods and	Mt II	
Nutr	Miscellaneous	1690
IVERNA MOULTON MEd MA Assoc Prof Cloth Text	5J J BRUMBACH MS State Climatol	
and Relat Art	5T P LITWIN Adminr Agr Stabil and Conserv Serv 2J J LUCAS PhD Assoc Prof Agr Biomet	
IGILBERT NASS PhD Asst Prof Child Devlpmt and	W H MARTIN EdD Assoc Prof Agr Educ	
ram Helat	1J P McDONALD MSLS Libr	
IGERALDINE NOVOTNY MS Spec Geron	5N P TEDROW BS Adminr Soil Conserv Serv	
3P E NUTTALL MS Asst Prof and Fam Belat Spec	and compart bely	
BARBARA L OSBORN PhD Assoc Prof Home Econ		
Educ	The Connecticut Agricultural Experiment Station,	
1D C PAYNE EdD Asst Prof Child Devlpmt and Fam	New Haven 06504	
Relat	40. H. D. W.	
12Mrs JOHNNIE W PROTHRO PhD Assoc Prof Foods	2Station Staff	
1RUTH SCHWARTZ PhD Asst Prof Foods and Nutr	ALCHORSEALL DED DISCOURT (TILLIANS	1700
IC F SCOTT MS Instr Cloth Text and Below Are	<b>2J G HORSFALL</b> PhD Dir and Treas (Tel 203-787-7421 Ext 23)	-
IF E WADDELL MS Instr Form From and Mat	2W L SLATE BS Dir(Emeritus)	
1Mrs GEORGIANNA WALKER MS Res Asst Foods and	2NEELY TURNER MA Vice Dir	
Nutr	2B B MINER BS Libr and Ed	
1 CAROLYN WILLIAMS MA Instr Child Devlomt and	<b></b>	
Fam Relat		
Plant Science	Analytical Chemistry	1710
	2J GORDON HANNA BS Head of Dept	
123A J R GUTTAY PhD Prof Soil Mgt and Head of Dept	2R A BOTSFORD BS Assoc Chem	
12ROBERT ADZIMA BS Res Asst Flor 2L H BARBER BS Res Asst Agron	2H J FISHER PhD Chemist(Emeritus)	
3A C BOBB MS Prof Pomol	2Mrs MARTHA FUZESI MS Asst Chem	
IK A BRADLEY MS Assoc Prof Hort	2L G KEIRSTEAD BS Assoc Chem 2HELEN L KOCABA BS Asst Chem	
13E D CARPENTER Jr PhD Asst Prof Omom Hort	2R T MERWIN BA Chem	
3P L CARPENTER PhD Assoc Prof Veg Crops	2W O MUELLER MS Asst Chem	
23E J DUDA PhD Assoc Prof	28 R SQUIRES BS Assoc Chem	
2F H EMMERT PhD Prof Plant Nutr	2R E WEST BA Asst Chem	
13R J FAVRETTI MS Assoc Prof Hort	2A F WICKROSKI MA Assoc Chem	
13M D FERRILL DF Asst Prof For		
3G F GRIFFIN PhD Asst Prof Soil Fert		
IW L HARPER MS Asst Prof Flor	Biochemistry	720
123ARTHUR HAWKINS PhD Prof Potato Mgt	2ISRAEL ZELITCH PhD Head of Dept	
2B E JANES PhD Prof Plant Physiol 2W C KENNARD PhD Prof Plant Physiol	2LESTER HANKIN PhD Biochem	
3J S KOTHS MS Assoc Prof Flor	2K R HANSON PhD Assoc Biochem	
2J R LARSON BS Res Asst Pomol	2EVELYN A HAVIR PhD Asst Biochem 2P E KOLATTUKUDY PhD Asst Biochem	
12J M LENT MEd Prof Veg Crops	2H B VICKERY PhD Biochem (Emeritus)	
3R E LORTON BS Res Asst Soil Fert	2.7 B VICKETT FILE Brochem (Emeritus)	
12R D McDOWELL PhD Assoc Prof Wildlife Mgt		
12G A L MEHLQUIST PhD Prof Plant Brdg	Biometry	730
12L A MITTERLING PhD Asst Prof Pomol	2C I BLISS PhD Biomet	730
12R A PETERS PhD Prof Crop Ecol		
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12E J RUBINS PhD Prof Soil Chem		
13M G SAVOS PhD Assoc Prof Ent		740
23D B SCHROEDER PhD Asst Prof Plant Path 23W W WASHKO PhD Assoc Prof Agron	2NEELY TURNER MA Head of Dept (State Ent)	
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123W R WHITWORTH PhD Asst Prof Fisheries	2W T BRIGHAM BS Assoc Ent (Dep State Ent) 2C C DOANE PhD Assoc Ent	
12D D WOLF PhD Asst Prof Forage Crop Physiol	2PHILIP GARMAN PhD Ent (Emeritus)	
13E P WYMAN MF Assoc Prof For	2S W HITCHCOCK PhD Assoc Ent	
	2J P JOHNSON BS Ent	
Poultry Science 1670	2J B KRING PhD Ent	
123E P SINGSEN PhD Prof Poultry Nutr and Head of	2DAVID LEONARD PhD Asst Ent	
Dept Dept	2R J PROKOPY PhD Asst Ent	
3W A AHO MS Prof Poultry Husb	2J C SCHREAD MS Ent	

# Genetics

2P R DAY PhD Head of Dept 2C D CLAYBERG PhD Assoc Genet 2W L GEORGE PhD Asst Genet

2R A JAYNES PhD Assoc Genet 21 C PUHALLA PhD Asst Genet

Plant Pathology and Botany

1760

1770

1780

1750

2A E DIMOND PhD Head of Dept 2J G HORSFALL PhD Plant Path 2R J LUKENS PhD Assoc Plant Path 2FRANCES W MEYER BA Asst Plant Path (Diagnosis) 2P M MILLER PhD Assoc Nematol 2S H PATIL PhD Asst Plant Path 2SAUL RICH PhD Plant Path 2HARLEY TOMLINSON PhD Asst Plant Path 2G S WALTON PhD Asst Plant Path (Diagnosis) 2S E WIRNHEIM PhD Asst Plant Path 2MILTON ZUCKER PhD Plant Physiol

Soils, Climatology, and Forestry

2P E WAGGONER PhD Head of Dept 2B BRAVDO PhD Asst Physiol 2D B DOWNS BS Asst Agr Sci 2C R FRINK PhD Assoc Soil Chem 2D E HILL PhD Assoc Soil Sci 2KEITH LOACH PhD Asst Ecol

2D N MOSS PhD Crop Physiol 2A R OLSON Asst For 2B L SAWHNEY PhD Assoc Soil Chem 2G R STEPHENS PhD Assoc For

Substation

Valley Lab PO Box 248 Windsor 06095 (Tel Code 203-688-3647) 2G S TAYLOR PhD Asst to Dir in the 2J F AHRENS PhD Assoc Plant Physiol 2H C DeROO PhD Soil Sci

# DEL AWARE

College of Agricultural Sciences, The Agricultural Experiment Station, and The Agricultural Extension Service of the University of Delaware, Newark 19711

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence

1790

1800

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3S M GWINN PhD Dir of Ext (Tel 302 368-0611 Ext 432) 12W E McDANIEL PhD Dean of Col of Agr Sci and Dir of Stg (Tel 302 368-0611 Ext 423)

123.J W SHIRLEY PhD Provost and Vice Pres for Academic Affairs and Prof of English

1L B WILLIA: IS MS University Coordinator of Res 123G M WORRILOW DAg Vice Pres for Univ Relat

Agronomy and Engineering (Agr)

12R H COLE PhD Asst Prof and Actg Chmn 12L J COTNOIR Jr MS Assoc Prof Soil 123N E COLLINS MS Asst Prof Agr Engin 123W H MITCHELL PhD Assoc Prof Crop Mgt 13E N SCARBOROUGH MS Assoc Prof Agr Engin 12N R USHERWOOD PhD Asst Prof Soil 123E W WALPOLE MS Asst Prof Agr Engin

Animal Science and Agricultural Biochemistry

12M S COVER PhD Prof and Chmn Avian Pathology 12W J BENTON PhD Asst Prof Avian Pathology

Animal Science and Agricultural Biochemistry-Continued 3D W BURTON MS Assoc Dairy and Livestock Spec 23J F GORDY BS Poultry Spec

124G F W HAENLEIN PhD Asst Prof Dairy Mgmt
123W R HESSELTINE PhD Assoc Prof Dairy Indus 12ERIC KISSMEYER-NIELSEN PhD Asst Prof Biochem

2R S LAKE BS Res Asst Avian Pathology 2Mrs CAROL LEVY BS Res Asst Biochem Genetics 3R W LLOYD MS Assoc Ext Poultry Spec 2Mrs MARGARET McCULLY BS Res Asst Nutr 12D H PALMER MS Instrand Poultry Mamt 12ARLETTE I RASMUSSEN PhD Assoc Prof Nutr Riochem

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Economics (Agr)

1830

12R C SMITH PhD Prof and Chmn 13R L BULL BS Assoc Prof and Dir of Food Bus Inst 13G L COLE MS Asst Prof Resource Dev 12W M CROSSWHITE PhD Assoc Prof Prod Econ 13D A HAWKES MS Asst Prof Food Bus 3Mrs ANNE W HOLBERTON MS Spec in Consum Educ and Mkta

12H F KRUECKEBERG PhD Asst Prof Food Bus 3W T McALLISTER MS Farm Mgt Spec 3J J MILMOE BS Asst Agt in Food Mktg

13R D SHIPPY MS Asst Prof Food Bus

Editorial

1835

3J L WEBB BS Ag Ed

Education 1R P BARWICK EdD Assoc Prof 1840 1850

Entomology and Applied Ecology

123D F BRAY PhD Prof and Chmn

23F E BOYS BS Res Asst & Spec in Agr Chemicals

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2R W LAKE MS Res Assoc 2J P. LONGCORE MS Res Asst 123DONALD MacCREARY MS Prof 2F I MIRPHEY PhD Res Assoc

**Extension Administration** 

1860

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1880

11RMA AYERS EdD Prof Home Econ and Dean of Col 1Mrs CATHERINE V BIEBER MS Asst Prof HE Ed 3Mrs ALICE M KING MA State Leader, Home

Economics ILOUISE LITTLE MS Asst Prof Food & Nutri 1EVA J McCREARY MS Asst Prof Food & Nutri 3CORAL K MORRIS MS Home Mgt Spec

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Home Economics- Continued  MARGARET HOLLOWAY MS Asst Prof Textile and Clothing  1CAMILLE SCHIFFMAN MS Asst Prof Child De	rv	Miscellaneous 3U S WASHINGTON MS Asst Prof Agr 1F W JONES BS Instr Agr	198
1MARY JANE STRATTNER PhD Assoc Prof Cl Dev	nild		
1DOROTHY V TAYLOR BA Instr Textiles and Clothing		Research M M CALDWELL Prof Educ Chmn	198
1CONSTANCE ELLIOTT MS Instr Food and Nut 1RUTH PEARCE MS Assoc Prof Textiles and Clothing	r	Res Comm (Tel 302-734-8271 Ext 43)	
1MAY S REYNOLDS PhD Prof Food and Nutr			
Herticulture	1890	FLORIDA	
12E P BRASHER MS Prof and Chmn 2R A ASHLEY MS Res Asst Veg Crops 12C W DUNHAM PhD Assoc Prof Flor & Ornam 12D J FIELDHOUSE PhD Assoc Prof Veg Crops 12V J FISHER PhD Assoc Prof Pomology 2HENRY KURATLE MS Res Asst Veg Crops		Institute of Food and Agricultural Sciences: College of Agriculture, Agricultural Experiment Stations and Agricultural Extension Service of the University of Florida, Gainesville 32601	١,
12E M HAHN MS Assoc Prof Veg Crops 2P E READ MS Res Assoc Veg Crops 3R F STEVENS MS Hort Spec 1R E VOGEL MS Asst Prof Landsc Arch		1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA	
		IJ W REITZ PhD Pres of Univ (376-3261 Ext 2311)	+
Plant Pathology	1900	123E T YORK Jr PhD Provost for Agr (376-3261 Ext 2711)	
123J W HEUBERGER PhD Prof and Chmn Fruit Dis Fungi	s	IM A BROOKER PhD Dean of Col of Agr (376-3261 Ext 2713)	
2S R CONNOR MS Res Asst Fruit Dis 12H W CRITTENDEN PhD Assoc Prof Soybean Di Brdg	is	1G D THORNTON PhD Asst Dean of Col of Agr 2J R BECKENBACH PhD Dir of Sta (376-3261 Ext 2168)	
12D F CROSSAN PhD Assoc Prof Veg Dis Fungi 2W J MANNING MS Res Asst Ornam Dis Microbio 12D J MORTON PhD Assoc Prof Veg Dis Serol Ai Pol		2J W SITES PhD Assoc Dir of Sta 2H H WILKOWSKE PhD Asst Dir of Sta 3M O WATKINS DPA Dir of Agr Ext Serv (376-3261 Ext 2446)	
		3JN BUSBY PhD Assoc Dir of Agr Ext Serv 3FE MYERS MAgr Asst Dir of Agr Ext Serv	
Miscellaneous  1D D WESTFIELD BS Libr	1920	3.J H NININGER Jr BSBA Asst in Adm Agr Ext Serv 23D R BRYANT Jr AB Admin Mgr of Ext Serv and St	, α
Substation	1930		
23J F GORDY BS Dir			2000
2GWCHALOUPKABS ResAssoc 2JWDICKERSONMS Foarm Mogr		123K R TEFERTILLER PhD Prof Agr Econ and Chai	ma
2L M GREENE DVM Poultry Path		of Dept 2DE ALLEGER MS Assoc Agr Econ	
2E L WISK MS Res Assoc		3CLIFFORD ALSTON MSA Econ Form Mgt 25H D BRODNAX MS Asst in Agr Econ	
Schools of Agriculture, Home Economics, and Ve	teri-	2D L BROOKE PhD Agr Econ 25T L BROOKS Jr BS Asst in Agr Econ	
nary Medicine, the Agricultural Experiment Station, and	d the	3EW CAKE PhD Econ Mktg Form Mgt	
Agricultural Extension Service of the Delaware State College, Dover 19901		1H B CLARK PhD Prof and Agr Econ 3C D COVEY PhD Asst Agr Econ Mktg	
		3R A EASTWOOD PhD Econ Mktg	
Callons Staff - State - Staff - F		3K M GILBRAITH MSA Veg Mktg Spec	
1College Staff 2Station Staff 3Extension Staff		12R E L GREENE PhD Prof Agr Econ and Agr Econ 12J R GREENMAN LLB Prof and Agr Econ	
		3R P HILL MSAE Asst Econ	
tal I Michael Din In.	1940	25G C JONES MS Asst in Agr Econ	
13L I MISHOE PhD Pres 1R C HENDERSON EdD Dean of Instr		1M R LANGHAM PhD Assoc Prof Agr Econ 12W K McPHERSON MS Prof and Agr Econ	
13W R WYNDER EdD Chmn Dept of Agr Sta (Tel 30	02-	1W W McPHERSON PhD Res Prof Agr Econ	
734-8271 Ext 76)		25W T MANLEY PhD Assoc Agr Econ	
		2A J MINDEN PhD Asst Agr Econ	
Agronomy and Soils	1950	3C C MOXLEY PhD Econ 25J E MULLIN BS Agr Statis (PO Orlando)	
1JTHOWELL MS Asst Prof Agr		12C E MURPHREE DPA Assoc Prof and Assoc Agr Econ	
Chemistry (Regulatory)	1960	25J L PEARSON MS Asst Agr Econ	
1HARRIET R WILLIAMS MS Head of Dept	.,,,,	2LEONIDAS POLOPOLUS PhD Assoc Agr Econ 2J E REYNOLDS PhD Asst Agr Econ	
IGEORGE R SEIDEL PhD Prof Chm		2G N ROSE BS Assoc Agr Econ (PO Orlando)	
		3S E ROSENBERGER PhD Assoc Veg Mktg Spec	
fome Economics	1970	2ZACH SAVAGE MSA Agr Econ	
1Mrs EVA V MOORE MS Asst Prof Chmn of Dept	1770	2B J SMITH MS Asst Agr Econ 124C N SMITH PhD Profond Agr Econ	
IMARGARET L THORPE MS Instr Home Econ		2A H SPURLOCK MSA Agr Econ	
1ANNIE W EATON MS Asst Prof Home E∞n		25F W WILLIAMS PhD Assoc Econ	

2010-2090 FLORIDA

2040

Austrulaural Engineering	2010	Bacteriology	2040
Agricultural Engineering 123D T KINARD PhD Agr Engin and Chairman of		IM E TYLER PhD	Prof of Bact and Chairman of Dept
12J F BEEMAN PhD Asst Prof and Asst Agr Eng	in Agr	Marine Bacte	eria
Machinery	-		ERG PhD Assoc Prof Bact
25E K BOWMAN BS Assoc Indus Engin (Citrus on	nd Veg	1JR MILAM BSA	Mgr of Bact Lab
Handling)	-	1W S SILVER PhD	Assoc Pro: (Plant-Microbe Inter-
1R E CHOATE MSA Prof and Agr Engin (Water )	Mgt)	actions)	
3S E EVANS BSBA BArch Asst in Agr Engin Ag			Asst Prof (Methanogenic Bacteria)
Structures			
2R C FLUCK PhD Asst Agr Engin Agr Structure	es and		
Systems		Botany	2050
25J J GAFFNEY MSAE Asst in Agr Engin Citrus	and		R PhD Prof Bot and Chairman of
Veg Handling		Dept	
25W G GRIZZELL BIE Asst Indus Engin (Citrus	and		PhD Assoc Prof and Assoc Biochem
Veg Handling)		14J H DAVIS PhD	
3D S HARRISON MSA Assoc Agr Engin (Agr Ma	ch-	1J S DAVIS PhD	
Water Mgt)	<b>~</b> '	1E S FORD PhD	Assoc Prof and Assoc Plant Physiol
3E S HOLMES ME Assoc Agr Engin (Rural Civ )	Derense	MA CRIEFITH	PhD Prof Biol Sci C-6 and Prof Bot
Coordinator		M M GRIFFIIR	S PhD Assoc Prof and Assoc Biochem
12J M MYERS MSA Agr Engin (Water Mgt)		121 E HUMFHILL	hD Asst Prof Biol and Bot and Sci C6
3AM PETTIS MSA Assoc Agr Engin Form Elec	••	1R C SMITH PhD	
Safety  C I DOCEDS MA — Annt Brof Agr Engin (Agr.)	Aach)		Asst Prof and Asst Bot
1C J ROGERS MAgr Asst Prof Agr Engin (Agr N 12I J ROSS PhD Assoc Prof and Assoc Agr Eng		12D D WALLD ! IID	7,000
Proc Proc Assoc Flor und Assoc Agr Eng	ili Agi		
3T C SKINNER MA Agr Engin Agr Structures		Dairy Science	2060
3. C SKINNER MA Agi Eligili Agi Stitetures			PhD Prof and Chairman of Dept
		12E L FOUTS Phu	Prof Dairy Tech
Agronomy	2020	3BARNEY HARR	IS Jr PhD Asst Dairyman
12D E McCLOUD PhD Prof Agron and Chairman	of the	12H H HEAD PhD	Asst Prof and Asst Physiol
Dept		12W A KRIENKE N	AS Assoc Prof and Assoc Dairy Tech
3S L BROTHERS BSA Asst Agron (Flue Cured	Tobacco)	(Dairy Prod	
25K D BUTSON MS State Climatol		12S P MARSHALL	PhD Prof and Nutr
2FRED CLARK MSA Agron Tobacco (Flue Cun	ed		Prof and Microbiol Dairy Prod(s)
Tobacco)		3C W REAVES M	
12J R EDWARDSON PhD Prof and Agron Lupine	s		Assoc Prof Bact and Assoc
2H C HARRIS PhD Agron (Crop Nutr)		Microbiol	
3JR HENDERSON MSA Agron		2J B WHITE BSA	Assoc Dairy Husb (PO Chipley)
25K C HINSON PhD Assoc Agron Soybeans			nD Assoc Prof and Assoc Genet
12E S HORNER PhD Prof and Agron Corn, Clov	er	12J M WING PhD	Prof and Dairy Husb
3D W JONES MSA Assoc Agron		3H B AOONG WE	A Asst Dairy Technol (Dairy Prod)
2G B KILLINGER PhD Agron (New Crops)			
12A J NORDEN PhD Assoc Prof and Assoc Agr	on	# Jon and	2070
Pegnuts		Editorial	PhD Ed and Chairman of Dept
2P L PFAHLER PhD Assoc Agron Small Grain	ıs		Asst Commun Spec
2G M PRINE PhD Asst Agron 12E G RODGERS PhD Prof and Agron		2E P FISHER M	
120 C RUELKE PhD Assoc Prof and Assoc Ag	mn	23K B MEURLOT	
12S C SCHANK PhD Assoc Prof and Assoc Agr			MA Asst Commun Spec
12V N SCHRODER PhD Asst Prof and Asst Agr		3R C SMITH Jr E	
2T E WEBB MS Asst Agron and Mgr Seed Foun			NMALS Asst Commun Spec
25S H WEST PhD Assoc Agron			[AMS MS Asst Ed
12MERRILL WILCOX PhD Asst Prof and Asst	Agron		Asst Commun Spec
	•		
Animal Science	2030	Education	2080
123T J CUNHA PhD Prof Anim Nutr and Chairma	n of Dept	IW T LOFTEN I	MAE Prof Agr Educ and Chairman of
12C B AMMERMAN PhD Assoc Prof and Assoc	Anim	Dept	
Nutr			
12L R ARRINGTON PhD Assoc Prof and Assoc	:		2090
Anim Nutr		Entomology	
12J W CARPENTER PhD Assoc Prof and Asso	c Meat	2W G EDEN Phi	Ent and Chairman of Dept
Sci		IF RED ACREE	Jr BA Prof Ent
12G E COMBS PhD Assoc Prof and Assoc Anim			PhD ProfEnt (Med) MAgr Ent Veg
12J R CROCKETT PhD Asst Prof and Asst An	ım Genet		MS Asst Prof Ent
2G K DAVIS PhD Anim Nutr Dir Biol Sci			ON PhD Prof Ent Morphology
3K L DURRANCE MAg Assoc Anim Husb			PhD Prof Ent Acarology
2J F EASLEY MS Asst in Anim Nutr 12J P FEASTER PhD Assoc Prof and Assoc B	iochomict		Prof Ent (Med)
12J F HENTGES Jr PhD Prof and Anim Nutr	nochemist		PhD Prof Ent (Med)
12MARVIN KOGER PhD Prof and Anim Genet			PhD Asst Ent Veg Insects, Immatures
12P E LOGGINS MS Assoc Prof and Assoc Ani	m Husb		PhD Prof Ent (For Insects)
12J E MOORE PhD Assoc Prof and Assoc Anim			PhD Prof Ent (Hemiptera)
3J E PACE MSA Assoc Anim Husb			Assoc Ent (Turf Insects)
12A Z PALMER PhD Prof and Meat Sci		ISOL KRAMER	PhD Prof Ent Morphology
3R L REDDISH PhD Assoc Meats Spec		2L C KUITERT	PhD Ent Tobacco and Ornam Pests
12R L SHIRLEY PhD Prof and Anim Nutr		1G C LaBRECC	UE PhD Assoc Prof Ent (Med)
12D L WAKEMAN MSA Asst Prof and Asst Anii	m Husb		hD Asst Prof Ent Ecol
12H D WALLACE PhD Prof and Anim Nutr			JRPHEY PhD Prof Ent Fruit Veg
12A C WARNICK PhD Prof and Anim Physiol		5P B MORGAN	PhD Prof Ent Med
			3

2090-2170 FLORIDA

Entomology- Continued  1J L NATION PhD Asst Prof Physiol	Food Science- Continued 12R C ROBBINS PhD Assoc Prof and Assoc Biochem
12V G PERRY PhD Prof and Nematol (Fruit and Ornam)	Human Nutr
2F A ROBINSON MS Assoc Apic Honey Prod and Pollination	2R K SHOWALTER MS Hort (Post Harvest Physiol)
2G C SMART Jr PhD Asst Nematol Turf	2N P THOMPSON PhD Asst Biochem 2RUTH O TOWNSEND RN Senior Res Asst in Nutr
5C N SMITH PhD Assoc Prof Ent Med	Human Nutr
12W W SMITH PhD Assoc Prof Ent Med 5B J SMITTLE PhD Asst Ent Med	2C H VAN-MIDDELEM PhD Biochem (Pesticide Residues)
2K J STONE MS Res Assoc Biocontrol	2W B WHEELER PhD Asst Biochem
3J R STRAYER MAg Asst Ent Pesticides 1R B TURNER PhD Assoc Prof Ent	Tibe 2.50 ich
2R E WAITES PhD Asst Ent Nutr	Forestry
IT J WALKER PhD Assoc Prof Ent (Orthoptera)	12J L GRAY MF Assoc For and Chairman of Dept
1M J WESTFALL PhD Assoc Ent (Odonata) 2R C WILKINSON PhD Assoc Ent Bark Beetles and	12S L BECKWITH PhD Assoc Prof and For
Sawflies Assoc Ent Bark Beetles and	12P W FRAZER MF Assoc Prof and For 12R E GODDARD PhD Assoc Prof and Genet
5W W WIRTHPhD Prof Ent Taxon	3T G HERNDON MSF Assoc Form For
	12J B HUFFMAN DF Assoc Prof and For
Extension Supervision and Specialists 2100	3AS JENSEN MS Asst Ext Form For 12C M KAUFMAN PhD For
3B J ALLEN MA Asst State 4-H Club Agt	12J W MILLER Jr MSF Prof and For
3BETTY JANE BRANNAN PhD Asst Dir Home Econ Programs	12D M POST MSF Asst Prof and For
3PAULINE N BRIMHALL MS Health Educ Spec (PO	12W H SMITH PhD Asst Prof and Asst For 12R G STANLEY PhD Prof and For Physiol
Tallahassee)	12R K STRICKLAND MS Int Res Assoc
3FLOY BRITT MS Home E∞n PO Tallahassee 3W W BROWN MAg State 4-H Club Leader	12E T SULLIVAN DF Assoc Prof and For 12K R SWINFORD PhD Prof and For
3SUSAN R CAMP MS Nutr	12K A SWINT OND PAD Prof and For
3ELIZABETH DICKENSON MA Clothing and Textile	
Spec (PO Tallahassee) 3V L. ELKINS MAg Area Prog Spec	Fruit Crops 2140 123A H KREZDORN PhD Prof Fruit Crops and Chairman
3G M GODWIN MAg Assoc State 4-H Club Agt	of Dept Citrus Brdg & Prod
13S E GRIGSBY PhD Assoc Prof and Training Spec 3ROBERTA H HALL MS Home Impr Spec (PO	12R H BIGGS PhD Assoc Prof and Assoc Biochem
Tallahassee)	3R M DAVIS MAgr Asst Hort 12J F GERBER PhD Assoc Prof and Assoc Climatol
3RUTH E HARRIS MSHE Fam Life Spec (PO	1C H HENDERSHOTT Jr PhD Assoc Prof and Assoc
Tallahassee) 3J D HAYNIE BSA Apic Diseases and Quality	Hort
3HELEN D HOLSTEIN MS Dist Home Econ Agt	3F P LAWRENCE MAgr Citric 3C G LYONS PhD Asst Citric
3GLADYS KENDALL BA Home Indus and Mktg Spec	2R H SHARPE MS Hort Peach Nectorine Blueberry
(PO Tallahassee) 3EMILY KING PhD Home Econ Training	Brdg
3LORA H KISER BSHE Dist Home Econ Agent	2W B SHERMAN PhD Asst Hort Blackberry Plum Brdg 12JAMES SOULE PhD Assoc Prof and Assoc Hort Citrus
3K S McMULLEN MAgr Dist Agt 3J D MARTSOLF MSA Asst Program Spec	Handling
3D MARTSOLF MSA Asst Program Spec 3BETTY S MIFFLIN MS Asst State 4-H Club Agent	1L W ZIEGLER PhD Prof Hort Citrus Mgt and Prod
3RUTH L MILTON MS Assoc State 4-H Club Agt	
3VERVIL L MITCHELL MS Home Mgt and Family Econ Spec	Library 2150
3A W O'STEEN BSA Supvi Florida Egg Laying Test	12S L WEST LLB BS Librand Head of Dept 2S F BENNETT BSLS Assoc Libr
3F S PERRY MAgr Dist Agt	10 T McCLOSKEY Asst in Libr
3W J PLATT Jr MSA Dist Agt 3A A STRAUGHN PhD Asst Program: Spec	2A C STRICKLAND MS Asst Libr 2JANIE L TYSON Senior Res Asst in Libr
3ANN ELIZABETH THOMPSON MEd Asst Home Econ	Semon hes Asst in Libr
Programs PO Tallahassee	•
3YANCEY B WALTERS MHe Dist Home Econ Agt 3G H WHITE MS Asst State 4-H Club agt	Ornamental Horticulture 2160 123E W McELWEE PhD Prof Ornam Hort and Chairman of
3IZOLA F WILLIAMS MS Asst Nutr (PO Tallahassee)	Dept Pior Official Fior and Chairman of
	3C A CONOVER MS Asst Ornorn Hort (Flor)
Field Services 2110	2R D DICKEY MSA Hort (Omam) 12G C HORN PhD Assoc Prof and Assoc Turf Tech
2G R FREEMAN MSA Supt	12J N JOINER PhD Prof and Ornam Hort Flor
2W H JONES Jr MAgr Asst Supt	2S E McFADDEN Jr PhD Asst Hort Breeding and Ornam
	3H G MEYERS MSA Asst Ornorn Hort Turf
Food Science 2120	12T J SHEEHAN PhD Assoc Prof and Assoc Hort
123R A DENNISON PhD Prof Biochem and Chairman of	Omam and Flor
Dept Food Sci	
2E M AHMED PhD Int Asst Biochem 2R B FRENCH PhD Biochem (Anim Nutr)	Plant Pathology 2170
2C B HALL PhD Hort (Post Harvest Physiol)	12PHARES DECKER PhD Prof Plant Path and Chairman of Dept
2J H JOHNSON PhD Asst Biochem (Flavor Chem)	2A A COOK PhD Assoc Plant Path
12F W KNAPP PhD Asst Prof and Asst Biochem Food 12G D KUHN PhD Asst Prof and Asst Food Microb	2T E FREEMAN PhD Assoc Plant Path 12J W KIMBROUGH PhD Asst Prof and Asst Mycol
Food	25H H LUKE PhD Plant Path
3R F MATTHEWS PhD Assoc Food Tech  2MARGARET E MERKLEY MS Int Asst in Food Technol	2CRMILLER PhD Asst Plant Path 2HNMILLER PhD Plant Path
2H A MOYE PhD Asst Chem	3R S MULLIN PhD Plant Path

2170-2240

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Plant Pathology- Continued	Veterinary Science 2230
2W C PRICE PhD Virol	12G T EDDS DVM PhD Prof Vet Sci and Chairman of
2D E PURCIFULL PhD Asst Virol	Dept
12D A ROBERTS PhD Prof and Plant Path	12R E BRADLEY DVM PhD Asst Prof and Asst Parasitol
12R E STALL PhD Assoc Prof and Assoc Plant Path	2J A HIMES DVM PhD Asst Pharmacol
25H E WARMKE PhD Agron	2W W KIRKHAM DVM PhD Assoc Virol 2J M KLING DVM MS Res Assoc
2F W ZETTLER PhD Asst Virol	2S E LELAND Jr PhD Assoc Parasitol
	2J N LOVE Jr MS Asst in Pharmacol
Plant Science Section 2180	12F C NEAL DVM MS Assoc Prof and Assoc Vet
2A T WALLACE PhD Genet and Head	3C B PLUMMER DVM Assoc Vet
2A I WALLACE FILD Gener and resid	2D A SANDERS DVM Vet
	12C F SIMPSON DVM PhD Prof and Path
Poultry Science 2190	12L E SWANSON DVM Prof and Parasitol
123R H HARMS PhD Prof Poultry Nutr and Head of Dept	2L J WALLACE DVM MS Asst Path
12J L FRY PhD Assoc Prof and Assoc Poultry Prod Technol	2F H WHITE PhD Assoc Bact
3L W KALCH MAgr Asst Poultry Husb	
3J S MOORE MSA Poultry Husb	Branch Stations 2240
12H R WILSON PhD Asst Prof and Asst Poultry Physiol	Central Fla Exp Sta PO Sanford
	2J F DARBY PhD Plant Path (Dis of Veg)
	2R B FORBES PhD Asst Soils Chem (Veg Crops)
Soils 2200	2G L GREENE PhD Asst Ent
123C F ENO PhD Prof Soil Microbiol and Chairman of	2H L RHOADES PhD Asst Nematol (Veg Crops)
Dept	2W T SCUDDER PhD Assoc Hort (Herbicides)
2W G BLUE PhD Biochem (Soil Fert)	2P J WESTGATE PhD Hort (Veg Crops)
2H L BRELAND PhD Assoc Soil Chem	2B F WHITNER Jr BSA Asst Hort (Veg Brdg)
12R E CALDWELL PhD Assoc Prof and Assoc Soil	Citrus Exp Sta PO Lake Alfred
Chem	2H J REITZ PhD Hort and Head
12V W CARLISLE PhD Asst Prof and Asst Soil Chem	2C A ANDERSON PhD Asst Soils Chem
Soil Fertility	2L B ANDERSON Jr BSA Asst in Ent-Path
IS N EDSON MS Assoc Prof Soils	2C D ATKINS BS Chem
12J G A FISKELL PhD Prof and Biochem Soil Fertility	2J A ATTAWAY PhD Assoc Chem
2NATHAN GAMMON Jr PhD Soil Chem	2R W BARRON BA Asstin Chem 2J G BLAIR BSME Assoc Mech Eng
12L C HAMMOND PhD Prof and Soil Phys 3J H HERBERT Jr MSA Asst Soil Conserv	2R F BROOKS PhD Assoc Ent
2C C HORTENSTINE PhD Asst Soil Chem	2G E BROWN PhD Asst Plant Path
2R G LEIGHTY BS Assoc Soil Surv	2R C BULLOCK PhD Assoc Ent (PO Ft Pierce)
2T C MATHEWS BSA Asst Soil Surv	2D V CALVERT PhD Asst Soils Chem (PO Ft Pierce)
3JAMES NeSMITH PhD Soil Spec	2MORTIMER COHEN PhD Assoc Plant Path (PO Ft
1H L POPENOE PhD Assoc Prof Dir Center for	Pierce)
Tropical Agr	2R J COLLINS MS Asst Hort
2W L PRITCHETT PhD Soil Tech Soil Fertility	2G E COPPOCK MS Assoc Ag Engin
2W K ROBERTSON PhD Chem Soil Fertility	2J W DAVIS BSA Asst in Ent-Path
12D F ROTHWELL PhD Assoc Prof and Assoc Soil	2M H DOUGHERTY BS Asst Chem Engin
Microbiol	2E P DUCHARME PhD Plant Path
2F B SMITH PhD Prof Microbiol	2G J EDWARDS BA Asst in Chem
12D O SPINKS PhD Prof and Soil Chem	2A W FELDMAN PhD Plant Path
2L G THOMPSON Jr PhD Soil Chem	2P J FELLERS PhD Asst Food Tech
2G M VOLK PhD Soil Chem	2FRANCINE E FISHER MS Asst Plant Path
2H W WINSOR BSA Asst Chem (Soil Fert)	2H W FORD PhD Hort
2T L YUAN PhD Assoc Chem	2H B GRAVES Jr PhD Int Asst Chem
	2WILLIAM GRIERSON PhD Hort 2T B HALLAM BS Asst in Ent-Path
	2R W HANKS PhD Asst Plant Physiol
Statistics 2210	2F W HAYWARD PhD Assoc Biochem
Statistics 2210 1WILLIAM MENDENHALL PhD Prof Statis and	25S L HEDDEN MS Asst Agr Engin
Chairman of Dept	2RUDOLPH HENDRICKSON BS Assoc Chem
1W O ASH PhD Prof Statis	2E C HILL BSA Assoc Bact
12F C BARNETT PhD Asst Prof and Asst Statis	2H I HOLTSBERG BSA Asst in Ent-Path
1K C CHANDA PhD Assoc Prof Statis	2R L HUGGART BS Assoc Chem
12F G MARTIN PhD Assoc Prof and Assoc Statis	2R B JOHNSON PhD Ent
1P V RAO PhD Asst Prof and Asst Statis	2J W KESTERSON MS Chem
1J G SAW PhD Assoc Prof Statis	2L C KNORR PhD Plant Path
1J I THORNBY PhD Asst Prof and Asst Statis	2R C J KOO PhD Assoc Hort
	25D H LENKER MS Asst Agr Engin
	2C D LEONARD PhD Hort
	2S K LONG PhD Asst Indus Bact
Vegetable Crops 2220	2A A McCORNACK MS Asst Hort
123F S JAMISON PhD Prof Veg Crops and Chairman of	2M D MARAULJA BS Asst in Chem
Dept Dept Dept Dept Dept Dept Dept Dept	2W R MEAGHER PhD Assoc Chem 2J F METCALF MS Asst in Chem
2D D GULL PhD Asst Hort	2F METCALF MS Asstin Chem 2E L MOORE PhD Chem
2L H HALSEY MSA Asst Hort	2M H MUMA PhD Ent
12S J LOCASCIO PhD Assoc Prof and Assoc Hort 12A P LORZ PhD Prof and Hort	2W F NEWHALL PhD Assoc Biochem
3M E MARVEL MS Assoc Veg Crops Spec	2M F OBERBACHER PhD Assoc Plant Physiol
3JAMES MONTEL ARO PhD Veg Crops Spec	2R W OLSEN BS Biochem
12V F NETTLES PhD Prof and Hort	2ROGER PATRICK PhD Bact
3J M STEPHENS MSA Asst Veg Crops Spec	2R L PHILLIPS MS Asst Hort
12B D THOMPSON PhD Prof and Hort	2A P PIERINGER PhD Asst Hort

Branch Stations - Continued	Branch Stations - Continued
2R L REESE MSA Res Assoc	North Florida Exp Sta PO Quincy
2A H ROUSE MS Pectin Chem 2G F RYAN PhD Asst Hort	2W H CHAPMAN MS Agron and Head
2W A SIMANTON PhD Ent	2F S BAKER Jr MSA Anim Husb 2H H BRYAN PhD Asst Hort
2IVAN STEWART PhD Biochem	25D R DAVIS AB Asst Met
2R F SUIT PhD Plant Path	2C E DEAN PhD Asst Agron (Shade Tobacco)
2A C TARJAN PhD Nematol	2R R KINCAID PhD Plant Path (Shade Tobacco)
2S V TING PhD Assoc Biochem 2K G TOWNSEND BSA Asst in Ent-Path	2R W LIPSCOMB MS Assoc Agron Peanuts PO
2KENNETH TRAMMEL PhD Asst Ent	Marianna
2H M VINES PhD Assoc Biochem	2W C RHOADES MS Ent 2F M RHOADS PhD Asst Soils Chemist Shade Tobacco
2F W WENZEL Jr PhD Chem	2D T SECHLER PhD Agron Small Grains
T A WHEATON PhD Asst Hort	2W B TAPPAN MSA Asst Ent (Shade Tobacco)
2J D WHITNEY PhD Asst Agr Engin	2R W WALLACE BS Assoc Agron (Pasture and Forage
2W C WILSON MSA Asst Plant Physiol 2R W WOLFORD MA Assoc Chem	Crops)
Everglades Exp Sta PO Belle Glade	Range Cattle Exp Sta PO Ona 2H L CHAPMAN PhD Ani Nutr and Head
2W T FORSEE Jr PhD Chem and Head Soil Fertility	2C L DANTZMAN PhD Asst Soils Chem (Soil Fert)
2R J ALLEN Jr PhD Asst Agron (Pasture Grasses)	2E M HODGES PhD Agron (Pasture and Forage Crops)
2D W BEARDSLEY PhD Anim Nutr Beef Cattle	2W G KIRK PhD Anim Sci Beef Cattle
25R D BLACKBURN MS Asst Agron Submersed Weed Control PO Ft Lauderdale	2J E McCALEB PhD Assoc Agron (Forage Crops)
2H I BORDERS PhD Assoc Plant Path Veg Disease	2F M PEACOCK MS Assoc Anim Husb (Beef Cattle)
PO Ft Lauderdale	Sub-Tropical Exp Sta PO Homestead  2R A CONOVER PhD Plant Path and Head Veg
2F T BOYD PhD Agron Grain Crops PO Ft Lauderdale	2C W AVERRE III PhD Asst Plant Path (Veg and Sub-
2H W BURDINE PhD Assoc Soils Chem (Veg Crops	Tropical Fruits)
Nutr)	2R M BARANOWSKI PhD Assoc Ent (Systemic Insecti-
2E O BURT PhD Assoc Turf Tech PO Ft Lauderdale 2T W CASSELMAN MS Asst Agr Engin (Feed Harvesting	cides Parasites)
and Proc)	2C W CAMPBELL PhD Assoc Hort Subtropical Fruits 2R W HARKNESS PhD Assoc Chem (Irrigation Sub-
25J E CLAYTON MS Assoc Agr Engin Sugarcane	Tropical Fruits Nutr)
2THOMAS COCHIS PhD Asst Omam Hort PO Ft	2S E MALO PhD Asst Hort Subtropical Fruits
Lauderdale	2R B MARLATT PhD Assoc Plant Path Ornam
2W W DEEN Jr MS Asst Agr Engin	Diseases
2W G GENUNG MS Assoc Ent (Veg Crops) 24V E GREEN Jr PhD Agron Corn and Sorghum	2P G ORTH PhD Asst Soils Chem (Veg Sub-Tropical
2V L GUZMAN PhD Hort Veg Corps	Fruits) 2J W STROBEL PhD Assoc Plant Path Tomato and
2C E HAINES PhD Assoc Anim Husb Beef Cattle	Strawberry Brdg
2N C HAYSLIP BSA Ent Veg Crops PO Ft Pierce	2D O WOLFENBARGER PhD Ent (Veg Sub-Tropical
2J R ILEY PhD Asst Soils Chem (Sugarcane)	Fruits)
2R W KIDDER MS Anim Husb (Beef Cattle) 2A E KRETSCHMER Jr PhD Agron Pastures PO Ft	2T W YOUNG PhD Hort (Sub-Tropical Fruits)
Pierce Agron Pastares PO Ft	Suwannee Valley Exp Sta PO Live Oak
2F leGRAND MS Asst Agron (Sugarcane)	2H W LUNDY BSA Assoc Agron and Head West Central Fla Exp Sta PO Brooksville
2J R ORSENIGO PhD Assoc Hort (Weed Control)	2G R HOLLIS PhD Asst Anim Nutr
2H Y OZAKI PhD Assoc Hort Veg Crops PO Ft	Brooksville Beef Cattle Research Station 33512
Lauderdale	25W C BURNS MS Asst Anim Husb and Head
25W H SPEIR Asst Hyd Engin (Water Sheds) 25E H STEWART MS Assoc Soil Physi Soil Sci PO	West Fla Exp Sta PO Rt 3 Jay
Ft Lauderdale	2C E HUTTON PhD Soils Chem and Head Fert and Mgt 2J E BERTRAND PhD Assoc Anim Sci
2F H THOMAS PhD Asst Chem Agron Crops	2L S DUNAVIN Jr PhD Asst Agron (Pasture and Forage
2N G VAKILI PhD Asst Plant Path Veg Crops PO Ft	Crops)
Pierce	2M C LUTRICK PhD Asst Soil Chem Fertility and Mgt
25L W WELDON PhD Asst Agron Submersed Weed Control PO Ft Lauderdale	2R L SMITH MS Assoc Agron (Field Crops)
25H D WHITTEMORE BSAE Assoc Agr Engin Sugarcane	
2J A WINCHESTER PhD Asst Nematol (Veg Crops and	Field Laboratories 2250
Sugarcane)	Big Bend Hort Lab Box 539 Monticello
2E A WOLF MS Hort Veg Breeding	2H W YOUNG PhD Assoc Hort and Head
Gulf Coast Exp Sta PO Bradenton	2J R LARGE MS Assoc Plant Path
2E L SPENCER PhD Soils Chem and Head Veg and Ornam	25M S NEFF PhD Assoc Plant Physiol Tung
2C H BLAZQUEZ PhD Asst Plant Path Veg PO	Potato Invest Lab Box 728 Hastings
Immokalee	2D R HENSEL PhD Assoc Soils Chem and Head Veg 2R M HOSFORD Jr PhD Asst Plant Path Veg
2D S BURGIS MSA Asst Hort (Veg Weed Control)	2E N McCUBBIN PhD Hort (Veg Varieties)
2P H EVERETT PhD Assoc Soil Chem Veg Nutr PO	2R B WORKMAN PhD Asst Ent (Veg)
Immokalee 2G M GERALDSON PhD Assoc Soils Chem (Veg Nutr)	Watermelon and Grape Invest Lab PO Leesburg
2J P JONES PhD Asst Plant Path (Veg)	2J M CRALL PhD Plant Path and Head
2E G KELSHEIMER PhD Ent (Veg Insects)	2W C ADLERZ PhD Assoc Ent 2CARLOS BALERDI PhD Asst Hort Grapes and Peaches
2R O MAGIE PhD Plant Path (Cut Flowers)	2C H CURRAN DSc Ent Diptera
2AMEGDA J OVERMAN MS Asst Soil Microbiol	2J A MORTENSEN PhD Asst Genet (Grape Brdg and
(Nematode Control)  2PAUL SUTTON PhD Asst Hort Veg Nutr PO Dover	Genet)
2) M WALTER PhD Plant Path (Veg Brdg)	2N C SCHENCK PhD Assoc Plant Path
2W E WATERS PhD Assoc Hort Cut Flower Nutr	Weather Forecasting Serv PO Lakeland
2S S WOLTZ PhD Assoc Plant Physiol (Cut Flower	5W O JOHNSON BS Met and Head 5J G GEORG BS Asst Met
Physiol)	SL L BENSON BS Asst Met
	5G R DAVIS BS Asst Met

#### Field Laboratories-Continued

5R H DEAN Asst Met

5R M HINSON BS Asst Met

5G W LEBER Asst Met 5W F MINCEY Asst Met

50 N NORMAN BS Asst Met

5R T SHEROUSE Asst Met 5W R WALLIS BS Asst Met

5H E YATES Asst Met

School of Agriculture and Home Economics of the Florida Agricultural and Mechanical University, Tallahassee 32307

1College Staff 3Extension Staff

2260

16 W GORE Jr PhD Pres of Univ (904-222-8030)

1JRE LEE Jr BA Vice Pres of Univ

1H M EFFERSON LLD Dean of Univ

1H R PARTRIDGE MS Bus Mgr

1B L PERRY Jr PhD Dir of Res and Grants (904-222-

IL L BOYKIN EdD Dean of Acad Affairs

IC E WALKER PhD Dean of Sch of Agr and Home Econ (904-222-8030)

Agricultural Science and Education

INATHANIEL SAYLOR MS Head of Dept 1T T LEWIS MS Prof Hort IJ FRANKLIN MS Assoc Prof Hort 1W L BATE MS Asst Prof Poultry Indus

Vocational Agriculture and Technology 1W L JOHNSON PhD Head of Dept

1L E EVANS PhD Prof Anim Husb

2280

2270

1B B ARCHER MS Resident Teacher Trainer (904-222-8030)

1G W CONOLY MS Assoc Prof Agr Educ

IW O MACK MS Asst Prof Form Mech 1C B OWENS PhD Prof Agron

**Extension Service** 

2310

3FLOY BRITT MS Dist Home Demon Agt (904-222-1223) 3V L ELKINS MEd Dist Agr Agt (904-222-1223)

Home Economics

2320

1Mrs LILLIE M ROBINSON MS Act Head of Dept IMODESTE B DUNCAN MS Asst Prof Home Econ IMrs DOROTHY J WELLS MS Asst Prof Clothing and Textiles

1Mrs EMMA H KITTLES PhD Assoc Prof Clothing and Textiles

1Mrs CARRIEMAE G MARQUESS PhD Prof Foods and Nutr

1Mrs GENEVIEVE W THOMAS MA Assoc Prof Home Econ Educ

#### **GEORGIA**

College of Agriculture, Schools of Forestry, Home Economics and Veterinary Medicine of the University of Georgia, Athens 30601

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 7Division indicates comparable units at all locations in system

2340

1230 C ADERHOLD PhD Pres of Univ (Tel Area 404-542-1214)

123R C ANDERSON PhD Vice Pres for Res (404-542-3360)

123C C MURRAY PhD Dean and Coord of Col of Agr (542 - 3924)

3L % EBERHARDT BSF Dir of Agr Ext (404-

1R S WHEELER PhD Dir of Resident Instr (404-542-1761)

2J H OWEN Dir of Expt Sta (404-542-2376) 127F C DAVISON DVM PhD Dean of Sch of Vet Med

127A M HERRICK PhD Dean of Sch of For 127MARY SPEIRS PhD Dean of Sch of Home Econ 2E B BROWNE PhD Dir of Col Expt Sta (404-542-2377)

2KENNETH TREANOR BS Asst Dir of Expt Sta (404-542-3623)

Agronomy

2350

12T H ROGERS PhD Prof and Head of Dept and Chair of Div Forage Crops

5W E ADAMS MS Res Assoc Soil Conserv

12E R BEATY PhD Assoc Prof Forage Corps 3P J BERGEAUX MS Assoc Prof Soils and Fert

5A R BERTRAND PhD Res Assoc and Chief

Southern Br Soil and Water Conserv Res Div ARS Soil Sci

5J E BOX PhD Res Assoc Soil Sci

12A R BROWN PhD Assoc Prof Small Grain 5R R BRUCE PhD Res Assoc Soil Sci

5M C CARTER MS Res Assoc Soil Sci

12A G DOUGLAS PhD Asst Prof Cotton Brdg

3L R DUNSON BS Assoc Prof Conserv

12J E GIDDENS PhD Prof Soil Microbiol

3W H GURLEY MS Instr

5LARRY HARPER MS Res Asst Soil Sci 5D G HARRIS MS Res Assoc Soil Sci

5G A HILLSMAN BS Res Asst Soil Sci

3W H HOGAN MS Instr Weed Control 3H A INGLIS MSA Assoc Prof Seed Certif

3J E JACKSON MS Instr Cotton

5W A JACKSON BS Assoc Soil Chem

3JASPER JERNIGAN PhD Assoc Prof Cotton (PO Tifton)

3J R JOHNSON BS Prof and Head of Agron Ext

3H C LOWERY MS Asst Prof Seed Impr

12R A McCREERY PhD Asst Prof Soil Sci

3J F McGILL MS Assoc Prof Peanuts (P O Tifton)

3R L MILES MS Special Agent Tot (PO Tifton)
3J F MILLER MS Instr Weed Control

12H D MORRIS PhD Prof Soil Sci

5J E PALLAS Jr PhD Res Assoc Physiol 5C L PARKS PhD Res Assoc Soil Sci

12H F PERKINS PhD Prof and Dir of Soil Testing Lab Soil Sci

2H H POWELL Farm Foreman 3J B PRESTON MSA Assoc Prof Tobacco (P O Tifton)

5F T RITCHIE BS State Soil Sci

3W H SELL MS Asst Prof TV A Prog Supvr

5WILSON WHITE MS Res Assoc Soil Chem

5S R WILKINSON PhD Res Assoc Soil Sci 5BETH G WRIGHT MS Chemist

**Animal Industry** 

2360

1237R A LONG PhD Prof and Head of Dept of Anim Sci and Chmn of Div Ntr

12H B HENDERSON MS Prof and Head of Dairy Dept Mfg

12F W BENNETT PhD Assoc Prof Bact

2N W CAMERON MS Instr Dairy Sci

12C M CLIFTON PhD Assoc Prof Dairy Mgt

3G E CONATSER MS Instr Ext Anim Sci

3M K COOK MS Instr Ext Anim Sci

12A E CULLISON PhD Prof Beef Cattle Nutr 30 G DANIEL PhD Prof and Head Ext Anim Sci

120 T FOSGATE PhD Assoc Prof Dairy Sci

12R D GROOMS MS Instr Anim Sci 3C J JARRETT MS Instr Ext Dairy Sci

12J W LASSITER PhD Assoc Prof Nutr

3W G LUCE PhD Asst Ext Anim Sci

2360-2430 GEORGIA

Animal Industry- Continued	Farnanias (Am) Cantinuad
2A M LYNN BS Tech Asst Anim Sci	Economics (Agr) - Continued  3J A RABURN MS Instr Bus Mgt Spec
3W H McKINNEY MS Asst Prof Doiry	12F B SAUNDERS PhD Prof Prod Econ
3J N MADDUX MS Asst Ext Dairy Sci	3C E SHERRARD BSAE Spec Agt Mktg
12J H MARTIN PhD Asst Prof Dairy Sci	30 C SMITH MS Asst Prof Form Mgt
2J V MASON BS Asst Chem Anim Sci Lab	3R E SMITH MS Assoc Prof Resource Devlpmt
2W J MILLER PhD Prof Dairy Nutr	12J C THOMPSON PhD Prof Mktg
2DALE REDEKER BS Tech Asst Anim Sci	3J L WILLIAMS MS Asst Prof Dairy Mktg
2R E ROBERTS BS Asst Prof and Supt of Creamery Mig	3E W WILSON BIR Ind Engin Agt Agribusiness
2R D SCARTH PhD Asst Prof Anim Sci	12J O WISE PhD Asst Prof Mgt
12R F SEWELL PhD Prof Swine Nutr	
3C M TRIPLETT MS Asst Ext Anim Sci	Physical Amello is
2C S WARD MS Tech Asst Anim Sci	Editorial and Publications 2400
12E P WARREN PhD Assoc Prof Anim Brdg	3J P CARMICHAEL MSA Prof Educ and Chmn of Div 3V E ADAMS MA Asst Ed-News
3H K WELCH Jr MSA Assoc Prof and Head Dairy Ext 3J P WEST BS Asst Prof Anim Sci	3R D BROOKS Jr ABJ Instr Radio-TV
30 P WEST BS ASSIPTOLATION SCI	2S L BURGESS BAJ Res Ed
	3R J COFER MA Instr Pub
Botany (Arts and Sci) 2370	3J A SMITH Asst Ed Vis Educ
1D S Van FLEET PhD Prof and Head Bot Dept	3R D STEPHENS BSA Assoc Ed Radio-TV
Enzymol	3R F TANNER MA Asst Prof Radio-TV
1E G BECK PhD Assoc Prof Physiol	
1T R BRYANT PhD Asst Prof Cytochem	
IW M CARLTON PhD Assoc Prof Anat	Education (Educ) 2410
1W H DUNCAN PhD Prof Toxon	1R H TOLBERT PhD Prof and Head Agr Educ Dept
1JOE EDMISTEN PhD Asst Prof Ecol	1A O DUNCAN MSEd Assoc Prof
1C W JAMES PhD Assoc Prof Toxon	1G L O'KELLEY Jr PhD Prof
1B E MICHEL PhD Prof Physiol	
1C D MONK PhD Asst Prof Ecol	
1DAVID MULCAHY PhD Asst Prof Genet	Engineering (Agr) 2420
1G L PLUMMER PhD Assoc Prof Ecol	12R HBROWN PhD Prof and Head of Dept and Chmn of
IN G SANSING PhD Asst Prof	Div Electronic
1J J WESTFALL PhD Prof Cytogenet	1J M ALLISON MSAE Asst Prof Gen Engin
	5A P BARNETT MS Res Assoc Soil Conserv
	5A H BENNETT MS Res Assoc Proc
Chemistry (Arts and Sci) 2380	12CARLISLE COBB Jr MS Assoc Prof Soil Conserv
1S W PELLETIER PhD Prof and Head of Dept Organic	5H S CARTER MA Res Assoc Climatol
1H T COGGIN PhD Assoc Prof Organic	5R E CHILDS BSIE Res Assoc Syst Engin 3P A CRAWFORD Jr MS Assoc Prof and Head Agr Engin Ext
1C H STAMMER PhD Assoc Prof Organic	5W E CRAIG BSAE Res Assoc Power and Mach
	4L N DRURY MS Res Assoc Electronic
Computer Center 2385	5W R FORBUS Jr BS Res Assoc Syst Engin
12J L CARMON PhD Prof and Head of Dept	3H B GOOLSBY MS Asst Prof
12R M BROWN MS Asst Prof	IR R HARRIS PhD Assoc Prof
12Mrs ELIZABETH H BRYAN BS Asst Prof	5B C HAYNES Jr MS Assoc Mech
12R L COLLIER MS Mach Supv	1G E HENDERSON BS Prof
12J C FORTSON MS Asst Prof	5A T HENDRIX MS Res Assoc Mech
12R L HARP MS Asst Prof	5W C HULBURT MS Res Assoc
12D F KENNEDY BEE Sys Eng	3W E HUSTON MS Asst Prof
12T W KETHLEY Jr BS Prog	5M J LEWALLEN MS Res Assoc
12E A LOWE BSA Sys Eng	5CAMPBELL LITTLE MS Res Assoc
12T J McCONNELL BS Prog	1B D McLENDON BSAE Instr Electronic
12D M SHEEHAN MS Asst Prof	12J S PERRY PhD Assoc Prof Food Engin
12L R SHENTON Dsci Prof	1W B RATTERREE PhD Prof Engin Mech (Gen)
	2M J REED MS Res Asst Prod Handling
	12C E RICE PhD Assoc Prof Power and Mach 12P D RODGERS MS Assoc Prof
Economics (Agr) 2390	5A D SHACKELFORD BSAE Res Assoc Prof
1237S J BRANNEN PhD Assoc Prof and Head of Dept of	Hondling
Agr Econ and Chmn of Div Mgt 3T D AARON PhD Assoc Grain Mktg	5J W SIMONS MS Res Assoc Structures
3H O BAXTER MF Instr For Mktg	12R E SMITH PhD Asst Prof Electronic
12E E BROWN PhD Assoc Prof Mktg Devlpmt	1J H TURNER MS Asst Prof Illus
3R E BROWN MS Instr Farm Mgt	5B L TYSON BSAE Res Assoc Soil Conserv
3P C BUNCE MS Instr Mktg Inform and Outlook Spec	2H D WHITE MS Prof Prod Handling
3W C CARTER MS Assoc Prof and Head Mktg Ext	3I L WINSETT MS Asst Prof
3J A CHRISTIAN PhD Asst Prof Meat Util Spec	
2D W CULVER PhD Asst Prof Mktg	
12W D EICKHOFF PhD Asst Prof Mktg	Entomology 2430
12T L FRAZIER MS Asst Prof Mktg	12H O LUND PhD Prof Ent and Head of Dept
3R A GAYVERT MS Asst Prof Poultry Mktg Spec	12U E BRADY PhD Asst Prof Physiol Toxicol
4W I GOLDEN MS Instr Farm Mgt	3V R COLEMAN MS Instr
3W D HARRELL MAE Asst Prof Head Resource	12ROBERT DAVIS PhD Asst Prof Ecology
Devlpmt	12R T FRANKLIN PhD Asst Prof For
SH B JONES MS Prof Mktg	3J C FRENCH MS Asst Prof 3E D HARRIS PhD Asst Prof
5ARCHIE LANGLEY BS Agr Statis 5NEIL ROBBINS MARTIN Jr MS Prof Mgt	2C M HIMEL PhD Prof Biochem Physiol
5NEIL HOBBINS MARTIN JF MS Prof Mgt 5W C McARTHUR PhD Prof Mgt	12P E HUNTER PhD Assoc Prof Acarol
12R M NORTH PhD Asst Prof Econ Devlpmt	3C R JORDAN Jr PhD Prof and Head of Ent Ext
12J H PADGETT PhD Asst Prof Mktg	12K L KNIGHT PhD Prof Med and Tax
12R E PROCTOR PhD Prof Prod Econ	3M P NOLAN MS Instr

Entomology-Continued

12J J PAUL PhD Asst Prof Toxicol 12C H TSAO PhD Asst Prof Physiol 12A B WEATHERSBY PhD Prof Med 3HERBERT WOMACK MS Instr

#### Extension Administration

2450

3C C MURRAY PhD Dean and Coordinator 3L W EBERHARDT Jr BSF Dir and Prof 3G Y DUKE MS Asst Dir and Assoc Prof 3C R O'KELLEY MSA Prof and Asst Dir 3EDDYE B ROSS MSHE Prof and State Home Ec Ldr 3T L WALTON EdD Prof and State 4-H Club Ldr 3J R CARR MS Instrand Dist 4-H Ldr 3H E CHASTAIN BSA Asst Prof and Dist Agt Chmn 3BARBARA J COGBURN BSHE Instr and Asst 4-H Ldr

4-H Club Ldr 3G M DAVIS BSA Instr Dist 4-H Ldr 3T J DAVIS Jr MSA Instrand Dist 4-H Leader 3BYRON DYER MSA Assoc Prof and Dist Agt Chmn 3MARIAN FISHER BSHE Asst Prof and Dist 4-H Leader 3F W FITCH Jr MS Asst Prof and 4-H Club Ldr

3HAROLD DARDEN MEd Assoc Prof and Assoc State

(Rock Eagle) 30 E GRIMES MagExt Instr and Dist 4-H Ldr 3Mrs JESSIE H HARDY BSHE Asst Prof and Dist Agt Home E.c.

3CECIL JOHNSON BSA Asst Prof and 4-H Club Ldr (Rock Eagle)

3Mrs MARTHA H JONES MS Assoc Prof and Dist Agt Home Ec

3W A KING BSA Asst Prof and Dist Agt Chmn 3J C KNOX BSA Asst Prof and Dist Agt Chmn 3J J LANCASTER EdD Prof and Head Ext Educ 3M C LITTLE MS Inst and Asst 4-H Ldr

3RHONWYN LOWRY MEd Assoc Prof and Assoc State 4-H Club Ldr

3Mrs HAZEL MALONE MSHE Asst Prof and Dist Agt Home Ec 3LOUISE MEEKS BSHE Asst Prof and Dist Agt

Home Ec

3CARRIE B POWELL BSHE Inst and Asst 4-H Ldr 3Mrs ADDIE R POWERS BSHE Asst Prof and Dist Act Home Ec

3J W ROBERTSON MAGEXt Instr and Dist 4-H Ldr 3H F SHURLING MAE Asst Prof Dist Agt Chmn
3SUE STANFORD MS Asst Prof and Dist Agt Home Ec 3Mrs ETTA THOMPSON BSHE Asst Prof Asst State 4-H

3L T TORRANCE MS Asst Prof and Dist Agt Chmn

#### Food Science

2460

12J J POWERS PhD Prof and Head of Dept 2J A CARPENTER PhD Asst Prof Meat Technol 12W P FLANAGAN Tech Asst and Plant Mar 12M K HAMDY PhD Prof Biochem

12K N MAY PhD Assoc Prof Poul Technol 12R L SAFFLE PhD Prof Meat Technol

2470

Forestry (Col of Agr)
3C D DYER MF Prof and Head Ext For Dept

3C N BRIGHTWELL MF Asst Prof

3B R MURRAY MF Instr

3G D WALKER MF Instr

# Forestry, School of

2480

126A M HERRICK PhD Prof and Dean of Sch Mgt 5MILTON APPLEFIELD MSF Assoc Wood Sci 12J H BAMPING MF Asst Prof 7R A BARNHART PhD Assoc Prof Fish Biol
12J R BECKWITH III MF Asst Prof Util 12C L BROWN PhD Prof Genet 5W C BRYAN MS Plant Path 5W A CAMPBELL PhD Prin Plant Path

Forestry, School of-Continued

5B E CARPENTER MF Util and Marketing Spec 2C W J CHANG PhD Post-doctoral Fellow Chem

12J L CLUTTER DF Assoc Prof Mgt 5C COTRUFO PhD Plant Path 5H E DICKERHOOF MS Indus Econ

12P J DYSON PhD Assoc Prof Util

5B H EBEL MS Assoc Ent SC A FASICK PhD Res For

12R T FRANKLIN PhD For Ent

5L I GABY MF Assoc Wood Sci 2J T GREENE PhD Asst Prof Genet

12L A HARGREAVES Jr PhD Prof Mgt

12J D HEWLETT PhD Assoc Prof Forest Hydro

6M T HUISH MS Asst Prof Fish Biol 5A S IKE Jr PhD Assoc Soil Sci

12L W R JACKSON PhD Prof Silvic

12J H JENKINS PhD Prof Wildlife

12R W JONES MF Instr Mgt

5P P KORMANIK MS Assoc Silvic

5R H McALISTER MS For Prod Tech

5R G McALPINE MF Proj Leader and Prin Silvic 5F R MATTHEWS MS Assoc Plant Path

12J T MAY PhD Prof Silvic

12W T MOSS PhD Asst Prof For Recreation (Performance traits)

5J C NORD MF Assoc Ent 1J R PARKER MSF Asst Prof Econ

1A E PATTERSON MSF Prof Mgt

5J H PATTILLO BS Admin Asst

12E E PROVOST PhD Assoc Prof Wildlife

12MERVIN REINES PhD Assoc Prof Genet

12J T RICE PhD Assoc Prof Util 5V L ROBINSON MS Assoc Econ

5E W ROSS PhD Assoc Plant Path

5J L RUEHLE PhD Plant Nematol

5G R SAMPSON MS Res For 5J R SAUCIER MS Assoc Wood Sci

2Mrs LOIS S SHACKEL FORD MS Res Statis

12J A SHEAR PhD Prof Climatol

5KL AUS STEINBECK PhD Assoc Plant Physiol

SM A TARAS PhD Prin Wood Sci

5G L TYRE MF Recreation Spec 5C B VICK MF. Assoc Wood Sci

5C D WEBS PhD Plant Genet 5JOHN L WHITE MS Assoc Wood Sci

5H O YATES PhD Proj Leader and Ent

#### Home Economics

2490

3NELLIE C BOYD MSHE Assoc Prof Nutr 3NANCY E GARRISON MS Instr Clothing 3LORA M LAINE MSHE Asst Prof Family Econ 3MARGARET L McINTYRE MSHE Instr Clothing 3DORIS M OGLESBY MSHE Assoc Prof Home Impr 3FELICIA A RAY MS Instr Home Management 3AVA D RODGERS MSHE Instr Home Furnish and Art 3NELLE THRASH BSHE Asst Prof Food Preserv 3Mrs RITA H WATERS MSHE Instr Nutr

# Home Economics, School of

2500

12MARY SPEIRS PhD Prof and Dean of Sch 1ELIZABETH ARMSTRONG MS Assoc Prof and Head of Clothing and Textiles

12BETTY W BAILEY PhD Assoc Prof Housing and Home Mgt

1FANNY L BROOKE MS Asst Prof Foun DevIpmt 1Mrs RUTH F CARUS MS Asst Prof Foods and Nutr IW O CASTER PhD Assoc Prof Nutr

IMARY B CLENDENING MS Asst Prof Housing and Home Mat

1Mrs THERRY N DEAL PhD Asst Prof Child Devlpmt 1Mrs DOROTHEA EDWARDS MSHE Asst Prof Housing and Home Mgt

1R C ENDSLEY PhD Asst Prof Child Devlpmt ISARAH B JENKINS MS Asst Prof Housing and Home Mat

IWYNELLE JOHNSON MS Asst Prof Clothing and Textiles

Home Economics, School of Continued  2D R KEEFE MS Asst Consum Econ  1K B KING PhD Asst Prof Fam Devlpmt  1MARTHA LaBOON MS Asst Prof Fam Devlpmt  1WINNIE F LUFFMAN MSHE Asst Prof Clothing and  Textiles  1MARY MASSEY MS Instr Child Devlpmt  12JESSIE J MIZE PhD Prof and Head of Housing and  Home Mgt  1RUTH MOORE MS Asst Prof Foods  1ELIZABETH T SHEERER PhD Prof and Head of Fam  Devlpmt  1D ANITA SOUTHARD MS Instr Child Devlpmt  1Mrs ELIZABETH L WHITEHEAD MHE Asst Prof  Foods	Poultry Disease Research-Continued  \$S R HOPKINS BS Res Assoc Virol  \$W C PATTERSON VMD Res Assoc and Dir Southeast Poultry Res Lab ADPRD ARS Path  2W M REID PhD Poultry Parasitol  2D J RICHEY PhD Assoc Poultry Microbiol  5H S SIEGEL PhD Res Assoc Physiol  5J E WILLIAMS DVM PhD Res Assoc Bact  5H W YODER DVM PhD Res Assoc Bact  Poultry Science  12M G McCARTNEY PhD Prof and Head of Dept and Chmn of Div Genet  3C J COX MS Instr
1Mrs ANN WILLETT MHE Instr Clothing and Textiles	3M Y DENDY MS Asst Prof 2H M EDWARDS PhD Prof Nutr
Horticulture  1237F E JOHNSTONE Jr PhD Prof and Head of Dept and Chmm of Div  3J M BARBER MS Instr Fruits and Veg (PO Tifton)  12G A COUVILLON MS Instr Fruit Physiol  3R S FLETCHER MS Instr Process (PO Tifton)  3TROY KEEBLE MS Instr Orn and Flor (PO Atlanta)  3R L LIVINGSTON MS Assoc Prof and Head Hort Ext  12F A POKORNY PhD Assoc Prof Flor  3G E SMITH MS Asst Prof Flor  2DARRELL SPARKS PhD Asst Prof Pecan Physiol	12H L FULLER PhD Prof Nutr 12T M HUSTON PhD Prof Physiol 3W P JOINER MS Instr 2R H LOWE BSA Plant Supt of Southern Regional Poultry Brdg Pro; 3J H MASSEY MS Assoc Prof and Head Ext Poultry 2R K NOLES PhD Asst Prof Mgt 5L D TINDELL PhD Coordinator of Southern Regional Poultry Brdg Pro; 2K W WASHBURN PhD Asst Prof Physiol Genet
3C D SPIVEY MS Asst Prof Pomol and Grinhs Veg	Veterinary Medicine, School of 127F C DAVISON DVM PhD Dean of Sch of Vet Med
	1A L KLECKNER DVM PhD Prof and Assoc Dir of
Landscape Architecture 2570	Comparative Med (Microbiol)
137H B OWENS MA Prof and Head of Dept and Chmn of Div	1M E ADIST Assoc Prof Vet Med and Surg and Dir Large Anim Div
1D F ABBOTT MLA Instructor	IR A ARNOLD DVM Asst Prof Vet Anat and Histol
1W E BEERY MLA Asst Prof	1R B BARRETT DVM Asst Prof Radiol
1J N HAYNES MLA Asst Prof	1T J BELL Jr DVM PhD Prof and Head of Vet Anat
IR J HILL MLA Asst Prof	and Histol
1J W LINLEY MFA Asst Prof	1D M BLACKMON DVM Asst Prof Clin
IR P NICHOLLS MLA Assoc Prof	1J M BOWEN DVM Assoc Prof Pharmacol
3T G WILLIAMS Jr MLA Assoc Prof and Head Ext Landsc Arch	1E W CAUSEY DVM Assoc Prof Vet Med and Surg 1J E CHRISTY DVM Asst Prof Vet Med and Surg Clin
	12R B DAVIS DVM Asst Prof Vet Microbiol and Prev
Plant Pathology and Plant Genetics 2530	Med (Avian Med)
123E S LUTTRELL PhD Prof and Head of Dept and	3C N DOBBINS Jr DVM Assoc Prof
Chmn of Div 5W C BRYAN MS Assoc Plant Path	1J D EDENS DVM Asst Prof Vet Med and Surg Clin
5W A CAMPBELL PhD Chief of Lab, Principal Plant	1A B FEW DVM PhD Asst Prof Vet Anat and Histol 12J W FOSTER PhD Assoc Prof Vet Microbiol
Path and Proj Ldr	and Prev Med (Bact)
3J L CRAWFORD MS Spec Agt Plant Path (PO	1C B GASKINS DVM Instr Vet Med and Surg
Tifton)	12J B GRATZEK Prof and Head of Microbiol and
12A A FLEMING PhD Prof Plant Brdg and Genet	Prev Med (Microbiol)
3W N GARRETT PhD Assoc Prof and Head Plant	1F A HAYES DVM MS Assoc Prof Vet Path and
Path Ext	Parasitol (Parasitol)
2F F HENDRIX Jr PhD Asst Plant Path	1P E HOFFMAN DVM Assoc Prof Vet Med cand Surg
12G M KOZELNICKY MS Asst Prof Field Crop Dis and	Clin
Genet 5FRMATTHEWSMS AssocPlantPath	1HBHUBBARDDVMMPH AssocProfPublicHealth 1RAHUEBNERDVM AssocProfVetMedandSurg
5D H MARX PhD Assoc Plant Path	Pharmacol Assoc Prof Vet Med and Surg
3N E McGLOHON PhD Asst Prof Plant Path Ext	12T J JONES DVM PhD Prof Vet Med and Surg and Res
12K E PAPA PhD Asst Prof Plant Genet	Prof
12W M POWELL PhD Assoc Prof Nematol	1HELEN E JORDAN DVM PhD Asst Prof Vet Path and
2R W RONCADORI PhD Asst Plant Path	Parasitol
5E W ROSS PhD Plant Path	1J E KITTRELL DVM Asst Prof Vet Med and Surg
5J L RUEHLE PhD Plant Nematol	Small Anim
3S S THOMPSON MS Asst Prof Plant Path (P O Tifton)	IWALTER KORNFELD DVM PhD Assoc Prof Vet Physiol and Pharmacol
Poultry Disease Research 2540	1S S KREUZ DVM Assoc Prof Vet Med and Surg Large Anim
2S C SCHMITTLE DVM PhD Prof and Head of Dept	1M C LOVELESS DVM Instr Vet Med and Surg Anat
Path	3W C McMULLAN DVM Asst Prof Asst Ext Vet
5C W BEARD DVM PhD Res Assoc Virol	1J T MERCER DVM Assoc Prof Vet Med Cont Educ
2F M BOYD PhD Asst Poultry Microbiol	THIC MORGAN DVM MS Assoc Prof of Vet Path and
2J B COX BS Resident Supt	Parasitol
5L N DRURY MS Res Assoc Electri	1J D MORTON DVM Prof and Head Vet Med and Surg
2C S EIDSON MS Res Assoc Virol	1EUGENE PAPP DVM PhD Assoc Prof Vet Path and
5C D GORDON PhD Res Assoc Genet	Parasitol (Path)
5A T HENDRIX MS Res Assoc Mech	1P L PIERCY DVM Prof and Asst to the Dean

GEORGIA 2560-2670

Veterinary Medicine, School of- Continued  12S C SCHMITTLE DVM PhD Head of Poul Diagnostic Lab Prof of Microbiol  1E 3 SHOTTS Jr MS Asst Prof Vet Path and Parasitol (Microbiol)  1DENNIS SIKES DVM PhD Prof Res Prof  1A J STALLELMAN Res Assoc Vet Med or Physiol 1R B TALBOT DVM PhD Prof and Head of Vet Physion and Pharmacol 1J P THRASHER DVM Assoc Prof Vet Microbiol Prev Med (Avian Med) 1D E TYLER DVM PhD Prof and Head Vet Path and Parasitol (Path)  12W P VAN ESELTINE PhD Assoc Prof Vet Microbiol and Prev Med (Bact)  1CLIFFORD WESTERFIELD DVM MS Prof Vet Anat and Histol 1W L WIDDOWSON DVM MS Asst Prof Vet Med and Surg 1R E WOOLEY DVM Instr Microbiol	siol I	Animal Diseases-Continued  2R F SOLORZANO DVM Asst Vet  25T B STEWART PhD Parasitol Swine  2W M STONE MS Asst Prof Parasitol  2J E THIGPEN MS Asst Prof Virol  2W S WILKINSON PhD Assoc Prof Biochem  Animal Science  25B L SOUTHWELL MS Prof and Head of Dept  2T M CLYBURN BS Asst Prof Beef and Swine (P C Reidsville)  20 M HALE PhD Assoc Prof Swine Nutr  25R H HUGHES MS Range Conserv  2J C JOHNSON PhD Assoc Prof Dairy  25F E KNOX BS Chem Nutr  2R L LOWREY PhD Asst Prof Anim Husb  2W C McCORMICK PhD Prof Beef and Swine  2W J PITTS MS Res Asst Dairy  25ELTON WHITE BS Range Conserv	<b>2620</b>
Miscellaneous  1D L BARKER PhD Asso Prof Library Systems Analyst and Science Librarian 1HELEN V MICHAELIS BALS Asst Prof Librs and South Br Libr	2570	Engineering (Agr) 2J L SHEPHERD BS Prof and Head of Dept 25J L BUTLER PhD Agr Engin Forage Pelleting 25W W HARE BS Agr Engin Farm Mach 25E A HARRELL MS Agr Engin Farm Mach 25R E HELLWIG BS Asst Agr Engin Forage Pelleting 2JR STANSELL MS Asst Prof Peanut Losses in	<b>2630</b>
Branch Experiment Stations Americus Plant Materials Center PO Americus 21 D POWELL BS Supt Northwest Ga Br Sta PO Calhoun	2580	Harvesting 25A W THOMAS MS Agr Engin Soil and Water Conse 25E J WILLIAMS MS Agr Engin Forage Pelleting	īV
2D D HAYES BS Supt and Assoc Prof Agron Crop Mo 2N W CAMERON MS Asst Proj Ldr (Battey State Farm, Rome, Ga) and Inst Dai Sci 2H L DORTON BS Asst Supt (Battey State Farm, Rome, Ga) and Inst Anim Husb 2E E WORLEY MS Asst Supt and Inst Agr Econ Southeast Ga Br Sta P O Midville 2O L BROOKS BS Supt and Assoc Prof Agron 2C E PERRY MS Asst Supt and Asst Prof Agr Econ Southwest Ga Br Sta P O Plains 2R B MOSS MS Supt and Asst Prof Agr Econ		Entomology  2E R MITCHELL PhD Asst Prof and Head of Dept 25E W BECK BS Ent Insect Residues 25M C BOWMAN BS Res Chem Insect Residues 25M L BURTON MS Ent Plant Pests 25R A BYERS MS Ent Insect Residues 25P S CALLAHAN PhD Insect Morph and Ecol 2R B CHALFANT PhD Asst Prof Veg Insect Cont 25H C COX PhD Ent and Dir Southern Grain Insects 25J B DAVIS MS Res Ent Insect Resist Corn 25L L CRABBEAULE MS Agest Resident Took Insect	rol
2W J ETHREDGE MS Asst Supt and Inst Agron  Georgia Coastal Plain Experiment Station, Ti/ton  31794  1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA		2J H GIRARDEAU Jr MS Asst Prof Tob Insect Control 25D B LEUCK MS Ent Insect Residues 25W W McMILLIAN MS Ent Insect Biol 2L W MORGAN MS Asst Prof Peanut Insect Contro 2SL M REDLINGER MS Ent Stored Grains 25A A SEKUL PhD Bio-Chem Insect Agts 25J W SNOW PhD Insect Ecol	ol
2F P KING PhD Dir (912-382-5561)	2590	25K J STARKS PhD Ent Insect Resist 25N W WIDSTROM PhD Genet 25J R YOUNG MS Ent Insect Toxicol	
Agronomy 2S A PARHAM BS Prof and Head of Dept 125G W BURTON PhD Genet Grass Brdg 2SIAN FORBES PhD Res Agron Legumes 2SR O HAMMONS PhD Genet Peranuts 2J E HARVEY MS Res Asst Peranuts 2SE W HAUSER PhD Res Agron Chem Weed Control 2W H MARCHANT BS Asst Prof Forages 25J D MILES MS Agron Tob 2D D MOREY PhD Assoc Prof Small Grains	2600	Horticulture  2S A HARMON PhD Prof and Head of Dept 2W T BRIGHTWELL PhD Assoc Prof Fruits 2C G DEL VALLE PhD Asst Prof Veg 25N C GLAZE PhD Res Plant Physiol Chem Weed Control 25C A JAWORSKI PhD Res Soil Sci 23ALFRED JONES PhD Res Genet Sweet Pot 2J S LAYTON BS Res Asst Veg Crops 2R E WORLEY PhD Asst Prof Fruits and Nuts	2650
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Animal Diseases 21 G MILLER DSc PhD Prof and Head of Dept 23 B BIDDY BS Res Asst Bacteriol 2G R CARTER DVSc Vet Microbiol 2Mrs MARTHA F GIRARDEAU MS Res Asst Path 2W L SCHWARTZ DVM Asst Vet	2610	Plant Pathology  2C R JACKSON PhD Prof and Head of Dept  2D K BELL PhD Asst Prof Peanuts  2P D DUKE'S PhD Asst Prof Tob Dis	267

2670-2820 GEORGIA

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2R L CARTER MS         Prof and Head of Dept           2M E WALKER MS         Asst Prof Plant Nutr	2C T YOUNG MS Asst Prof Food Chem
Miscellaneous 2690 2E F MATTHEWS Comptroller 2SR E MCCLAIN BS Admin Officer 26V J VALLI MET (Coop USDC)	Economics (Apr)  2N M PENNY PhD Prof Mktg and Head of Dept  2J R ALLISON PhD Asst Prof Prod  2R J AMICK PhD Asst Prof Prod  2R F ANDERSON MS Asst Prof Mktg  2J D BROWN PhD Asst Prof Mktg  2D H CARLEY PhD Assoc Prof Mktg  2J C ELROD MS Prof Prod & Data Proc
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Plant Pathology

3030

123I W BUDDENHAGEN PhD Prof Plant Path and Acta Chmn of Dept 12MINORU ARAGAKI PhD Assoc Prof Plant Path 124R B HINE PhD Assoc Prof Plant Path 120 V HOLTZMANN PhD Assoc Prof Plant Path 12MAMORU ISHII PhD Assoc Prof Plant Path 2R V MASON BS Asst in Plant Path 123E E TRUJILLO PhD Asst Spec in Plant Path

Plant Physiology

3040

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(PO Twin Falls)	1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6Coop USDI
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1W S JOHNSON DVM Grad Instr Bioengineering	2B W HATCHER MS Supt of Vet Sci Form
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1J H STRICKLAND MS Instr Histology 1J E STUMP DVM Instr Gross Anat	3K M WENTEAND DAM ASSOC FIOL
1C B SWENSON DVM PhD Assoc Prof Histol	
12D C VAN SICKLE DVM Instr Elbow Dysplasia and	Library 3570
Histol	1J H MORIARTY MSLS Dir of Libr
12Mrs MILDRED VYVERBERG BS MS Instr Gross Anat	1JM HOUKES MAL Agr Econ Libr
1J R WELSER DVM MS Instr Gross Anat	1ANN E KERKER MSLS Vet Sct Libr
	1D W LUPTON MSLS Asst Life Sci Libr 1H T MURPHY MALS Life Sci Libr
CLINICS	IN I MUNENI MALS LITE SCI LIDI
THE AMSTUTZ DVM Prof and Head of Dept	
1J R ANNIS DVM Prof and Asst Head of Dept 1G E BISGARD DVM Instr Small Anim Med	
1J C BLAKEMORE DVM Assoc Frof Small Anim Med	North Central Regional Poultry Breeding Laboratory 3580
12P N BOEHM DVM Instr Large Anim Med	25T B KINNEY Jr PhD Regional Coordinator
1C J CALLAHAN DVM Assoc Prof Large Anim Med	25P C LOWE MS Poultry Husb
1J F FESSLER DVM Asst Prof Large Anim Surg and	25J S SHATAVA BS Poultry Husb
Med	
1C D HEINZE DVM Assoc Prof Large Anim Surg and	
Med D (0 11 by	State Egg Board 3590
1A M LAVIGNETTE DVM Assoc Prof Small Anim Ophthalmology	2E R MENEFEE MSA Exec Secy-Treas
1R E LEWIS DVM MS Asst Prof Radiol	
1E W PAGE BS DVM Assoc Prof Large Anim Surg and	
Med	
1R H PIERSON DVM Asst Prof Zoo and Large Anim	Outlying Research Farms 3600
Med	2HORACE PAARLBERG BSA Dir of Outlying Forms
1J L RISING DVM Grad Instr Small Anim Med	2T S SPECK MS Asst to Dir of Outlying Forms 2D R GRIFFITH MS Res Leader
1N F TROUTT DVM InstrLoarge Anim Surg cand Med	Herbert Davis For Farm PO Farmland -
MICROPIOLOGY PATHOLOGY AND DUDI IC HEALTH	2M W ALDERFER MS Supt
MICROBIOLOGY, PATHOLOGY AND PUBLIC HEALTH  12R M CLAFLIN DVM PhD Prof and Head of Dept	Lynnwood Farm PO Carmel -
12C H ARMSTRONG DVM PhD Asst Prof Microbiol	2C H NICKEL Form Mgr
2G DBENNETT Jr DVM PhD Asst Prof Parasitol	2R C PETERSON MS Res Leader & Asst Supt
12H F BOLTE DVM MS Grad Instr Compar Path	Miller Purdue Memorial Farm PO Upland—
12D F BROBST DVM MPH PhD Assoc Prof Clinic Path	2D A HUBER BSA Supt Moses Fell Annex Farm PO Bedford —
12THEODORE BURNSTEIN DVM PhD Prof Enteric Virol	2J R HODGES BSA Supt
12D P BYINGTON DVM Grad Instr Exp Path 12R F CROSS DVM PhD Assoc Prof Compar Path	Pinney Purdue Farm PO Wanatah -
12A L DELEZ DVM PhD Prof Compar Path	2M A MOHLER MS Supt
2G C DULAC DVM Grad Instr Exp Path	Southern Indiana For Farm PO Dubois—
12J L EMERSON DVM PhD Asst Prof Compar Path	2C J KAISER MS Supt
12S M GAAFAR DVM PhD Prof Parasitol	2C M BROWN MS Res Leader Throckmorton Farm Memorial PO Lafayette R 7—
12D P GUSTAFSON DVM PhD Prof Virol	2E R BAUGH MS Supt
12E O HAELTERMAN DVM PhD Prof Expt Path	

3610-3640 IOWA

#### AWOI

The College of Agriculture, the Agriculture and Home Economics Experiment Station, and the Cooperative Extension Service in Agriculture and Home Economics of the Iowa State University of Science and Technology, Ames 50010

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6C∞p USDI 7Miscellaneous

3610

IW R PARKS PhD Pres 123FLOYD ANDRE PhD Dean of Col of Agr Dir of Sta

ei 515-232-0444) 3M A ANDERSON PhD Dean of Univ Ext (Tel

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4G M BROWNING PhD Assoc Dir of Sta (Tel 515-294-5717)

2J P MAHLSTEDE PhD Acting Assoc Dir of Sta (Tel 515-294-4762) IL M THOMPSON PhD Assoc Dean of Col of Agr

(Tel 515-294-6614) 12J B PAGE PhD Dean of Grad Col and Vice Pres for Res (Tel 515-294-4531)

Agriculture Staff Services

3620

IJ M ALEXANDER MS Asst Prof Mgr Fdn Farms 123R R BEAN Admin Asst

1R J BRUENE BS Admin Asst

123E O HEADY PhD DSc Exec Dir of Center for Agr and Econ Devlpmt

1RONALD KAY BS Admin Asst 1NEIL PATRICK BS Admin Asst

1R K PERRIN BS Admin Asst 3W G STUCKY MEd Educ Leader of Center for Agr and Econ Devlpmt

3630

123JOHN PESEK PhD Prof and Head of Dept

25MINORU AMEMIYA PhD Assoc Prof Soil Phys 2I C ANDERSON PhD Assoc Prof Crop Physiol and Prod

12R E ATKINS PhD Prof Crop Brdq

2M K AYCOCK Jr MS Assoc Crop Brdg

3C R BALLANTYNE MA Assoc Prof Soil Conserv

12C A BLACK PhD Prof Soil Chem 2J M BRADFORD MS Assoc Soil Mgt

124J M BREMNER PhD Prof Soil Biochem

IV B CARDWELL MS Instr Crop Prod

12I T CARLSON PhD Assoc Prof Crop Brdg

25R L CLARK PhD Collab Path New Crops

25R F DALE MS Collab Climatol

25R I DIDERIKSEN MS Collab Soil Classif

25W P DIETZ BS Collab Soil Classif

25A F DODGE MS Collab Crop Prod New Crops

2LLOYD DUMENIL PhD Assoc Prof Soil Mgt

3E R DUNCAN PhD Prof Soil and Crop Mgt

25S A EBERHART PhD Collab Quantitative Genet and Crop Brdg

2A P EDWARDS PhD Asst Prof Soil Biochem 3KALJU EIK PhD Assoc Soil Fert

2J C ELDREDGE PHD Assoc Prof Crop Brdg

2L T EMPIG MS Assoc Crop Brdg

2A J ENGLEHORN MS Asst Prof Soil Mat

2W R FEHR MS Assoc Crop Brdg

2T E FENTON PhD Asst Prof Soil Classification

25C S FISHER BS Collab Soil Classif 2K D FRANK MS Assoc Soil Fert

12L R FREDERICK PhD Prof Soil Microbiol

12K J FREY PhD Prof Crop Brdg

2D D FRITTON MS Assoc Soil Phys

12D E GREEN PhD Asst Prof Crop Brdg 25A R HALLAUER PhD Collab Crop Brdg

2G E HAM MS Assoc Soil Microbiol
23J J HANWAY PhD Prof Soil Fert
25J D HIGHLAND BS Collab Soil Classif

Agronomy-Continued

2M T HILLSON MS Assoc Crop Prod

2H D HUGHES MS Prof Crop Prod

2C D HUTCHCROFT PhD Assoc Prof Seed Certif

12DON KIRKHAM PhD Dist Prof Soil Phys

30 A KNOTT MA Asst Prof Crop Prod 2J A KOVAR MS Assoc Soil Classif

25W E LARSON PhD Prof Soil Mgt 2M J MC NEILL BS Assoc Crop Brdg

2R S MANSELL MS Assoc Soil Phys

2F E MARKLAND MS Assoc Turf Mgt

12R L MITCHELL PhD Asst Prof Crop Prod

2J J MOCK BS Assoc Crop Brdg

25W C MOLDENHAUER PhD Assoc Prof Soil Mgt

2S J MURDOCK MS Assoc Soil Mat

2D W NELSON MS Assoc Soil Chem

2R P NICHOLSON BS Asst Prof Soil and Crop Mgt

25L H PENNY PhD Prof Crop Brdg

2G A PETERSON MS Assoc Soil Fert

12P A PETERSON PhD Assoc Prof Cytogenet and Crop Brdg

3J A PHILLIPS MS Assoc Soil Mgt

12W H PIERRE PhD Prof Soil Fert

2G L POSLER MS Assoc Crop Brdg

2R DPOWELL MS Assoc Soil Fert

2V H REICH MS Assoc Crop Breeding

12F F RIECKEN PhD Prof Soil Classif

25ERNEST ROBELLO Jr BS Collab Soil Classif

12E C ROBERTS PhD Prof Turf Mgt

2J L ROBINSON PhD Prof Seed Certif

25R V RUHE PhD Prof Soil Classif

12W A RUSSELL PhD Prof Crop Brdg

3F W SCHALLER PhD Prof Soil and Crop Mgt

IW H SCHOL TES PhD Prof Soil Classif

12A D SCOTT PhD Prof Soil Chem 12R H SHAW PhD Prof Climatol

12R M SHIBLES PhD Assoc Prof Crop Physiol and Prod 124W D SHRADER PhD Prof Soil Mgt

25W H SKRDLA PhD Prof Crop Prod New Crops

2R R SMITH MS Assoc Crop Brdg

2S J SMITH BS Assoc Soil Chem

1D L STAMP BS Inst Crop Prod IJ A STRITZEL PhD Assoc Prof Soil Fert

2.1 A TABATABAI PhD Assoc Soil Biochem

3H E THOMPSON PhD Prof Crop Prod

IL M THOMPSON PhD Prof Soil Fert

IF R TROEH PhD Asst Prof Soil Classif

2C R TRUPP MS Assoc Crop Brdg

2H C VAUGHAN MS Assoc Climatol 25W B VOORHEES BS Collab Soil Mat

3R D VOSS PhD Assoc Prof Soil Fert

3R E VOSS MS Assoc Soil Fert

25P J WAITE BS Collab Climatol

2A W WARRICK MS Assoc Soil Phys

2JOHN WEBB PhD Assoc Prof Soil Fert

25C R WEBER PhD Prof Crop Brdg
12W F WEDIN PhD Prof Pasture Mgt
2D A WHITNEY MS Assoc Soil Fert

3J P WIDDOWSON MS Assoc Soil Fert

12C P WILSIE PhD Prof Crop Brdg

12D G WOOLLEY PhD Assoc Prof Crop Prod

Animal Science and Dairy Science

3640

123L E JOHNSON PhD Prof and Head

123A R PORTER MS Prof in Cha of Dairy Sci

2R S ALLEN PhD Dist Prof in Agr Dairy Nutr

1A L ANDERSON MS Prof Swine

2L L ANDERSON PhD Assoc Prof Physiol and Reprod 2E I ANDRESEN DVM Phd Assoc Prof Immunogenetist

2L N BAKER PhD Assoc Prof Immunogenetist

3REX BERESFORD MS Prof Emeritus Beef Cattle

25BEN BERESKIN PhD Asst Prof Swine Brdg

1P O BRACKELSBERG PhD Asst Prof Beef Brdg

12W E BURROUGHS PhD Prof Rum Nutr 12L L CHRISTIAN PhD Asst Prof Swine

2D A COOK MS Assoc Dairy Nutr 2D F COX PhD Assoc Prof Swine Breed

2C C CULBERTSON MS Prof Anim Prod

3R C deBACA PhD Assoc Prof Anim Brdg

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#### Animal Science and Dairy Science-Continued Betany and Plant Pathology-Continued 1J V DE BARTHE PhD Asst Prof Dairy Nutr 3B R EASTWOOD PhD Asst Prof Dairy Brdg 2I C ANDERSON PhD Assoc Prof Crop Physiol and 12R C EWAN PhD Asst Prof Swine Nutr 2A L BAKKE PhD Prof (Emeritus) Weed Invest 12C F FOREMAN PhD Prof Dairy Cattle 2A E FREEMAN PhD Prof Dairy Brdg 1C C BOWEN PhD Prof Cytol 12J A BROWNING PhD Prof Cereal Dis 3NELSON GAY PhD Asst Prof Rum Nutr 12W F BUCHHOLTZ PhD Prof Plant Path 12D E GOLL PhD Assoc Prof Meats 1J D DODD PhD Prof Bot 2INORU HASHIMOTO DVM Assoc Phys and Reprod 25J M DUNLEAVY PhD Prof Sovbean Dis IE H HAYNES PhD Assoc Prof Anim Nutr 3A H EPSTEIN MS Assoc Pesticide Safety 3L E EVERSON PhD Prof Seed Tech 12V W HAYS PhD Prof Swine Nutr 125L N HAZEL PhD Dist Prof in Agr Anim Breed 2D C FOLEY PhD Assoc Prof Corn Dis 2D M HENRICKS PhD Asst Prof Phys and Reprod 12R E FORD PhD Assoc Prof Virol 3J B HERRICK DVM MS Prof Vet Med 1J C GILMAN PhD Prof (Emeritus) Mycol 1R E HUNSLEY MS Instr Beef Cattle 123D F GRABE PhD Asst Prof Seed Tech 5A H HAGGE BS Supvir of Plant Pest Control Prog 12N L JACOBSON PhD Dist Prof in Aar Dairy Nutr 1H T HORNER PhD Asst Prof Cytol 12J C HORTON PhD Assoc Prof Veg Dis 2E L JENSEN PhD Asst Prof Swine 23H H KILDEE DAgr Prof Anim Sci and Dean(Emeritus) 2D E KIMM BS Assoc Swine Breed 1J J KISER MS Assoc Prof Horses 1DUANE ISELY PhD Prof Taxon 1GEORGE KNAPHUS PhD Asst Prof Bot 5MICHEAL KOMANETSKY Collab Plant Pest Control 12E A KLINE PhD Prof Meats 2D C KRATZER PhD Asst Prof Swine Brdg 1W F LaGRANGE MS Prof Livestock 3R C LAMBE PhD Assoc Prof Path ICELA MOTTE PhD Assoc Prof Physiol 12J L LUSH PhD Dist Prof in Agr Anim Brdg 1R Q LANDERS PhD Assoc Prof Ecol 2A D McGILLIARD PhD Assoc Prof Dairy Nutr IN R LERSTEN PhD Assoc Prof Morph 12R M MELAMPY PhD Prof Anim Physiol and Reprod 14W E LOOMIS PhD Prof Physiol 2A E MOLLN BS Admin Asst and Swine Brdg 12H S McNABB Jr PhD Prof Tree Dis 2HIROSHI MORI MS Assoc Phys and Reprod 21 E MELHUS PhD Prof (Emeritus) Path 2S L OXENREIDER PhD Asst Prof Phys and Reprod 1J T MICKEL PhD Assoc Prof Bot 2D C NORTON PhD Assoc Prof Nematol 2G L PARKS BS Assoc Beef Cattle Brdg 2F C PARRISH Jr PhD Asst Prof Meats 1R W POHL PhD Prof Taxon 3R E RUST MS Assoc Prof Meats 23H L SELF PhD Prof Livestock 2C S REDDY PhD Prof (Emeritus) Path 1J E SASS PhD Prof Anat 12P S SHEARER MS Prof Anim Sci 5M D SIMONS PhD Prof Oat Dis 25C E SHELBY PhD Assoc Prof and Dir Reg Swine 2D W STANIFORTH PhD Prof Weed Invest Brdg Lab 3E P SYLWESTER PhD Prof Weed Invest 1J A SIMS PhD Assoc Prof Dairy Cattle 5HIDEO TACHIBANA PhD Collab Soybean Dis 3M L SPEAR DVM Assoc Prof Vet Med 12V C SPEER PhD Prof Swine Nutr 11 frs LOIS H TIFFANY PhD Prof Mycol 5J R WALLIN PhD Prof Epidemiol 3E J STEVERMER PhD Asst Prof Swine 1R E TAYLOR PhD Assoc Prof Swine 12D G TOPEL PhD Asst Prof Meats Dairy and Food Industry 3680 2A H TRENKLE PhD Assoc Prof Rum Nutr 3H H VAN HORN PhD Assoc Prof Dairy Cattle 123V H NIELSEN PhD Prof and Head of Dept 12J C AYRES PhD Prof Food Tech and Bact 2R L VETTER PhD Asst Prof Rum Nutr 12E W BIRD PhD Prof Food Tech and Biochem 3D E VOELKER MS Assoc Prof Dairy Cattle 1W J CAULFIELD MS Assoc Prof Dairy Indus 1D R WARNER PhD Assoc Prof Sheep 1E F GOSS MS Prof Dairy Indus 12E G HAMMOND PhD Prof Food Tech and Biochem 3M D WHITEKER PhD Asst Prof Swine 3R E WHITMORE BS Assoc Dairy Cattle 1C A IVERSON DSc Prof Dairy Indus 3T W WICKERSHAM MS Assoc Prof Sheep 2A A KRAFT PhD Assoc Prof Food Tech and Bact 12R L WILLHAM Anim Brdg 2T W KWON PhD Asst Prof Food Tech 2J W YOUNG PhD Asst Prof Dairy Sci 3W G ZMOLEK MS Prof Beef Cattle and Mktg 3W S La GRANGE PhD Asst Prof Dairy Indus 2D A LILLARD PhD Asst Prof Food Technol 1R VOGDEN MS Instr Dairy Indus 12G W REINBOLD PhD Assoc Prof Dairy Bact Bacteriology 1W S ROSENBERGER BS Assoc Prof Dairy Indus 3650 2W R LOCKHART PhD Prof and Chmn of Dept 3A W RUDNICK BS Prof Dairy Indus 2R E BUCHANAN PhD Prof Taxon 2RUPERT SEALS PhD Assoc Food Tech and Biochem 12P A HARTMAN PhD Prof Microbiol Proc 12H E SNYDER PhD Assoc Prof Food Tech and Biochem 12H W WALKER PhD Prof Food Tech and Bact Biochemistry and Biophysics 3E O WRIGHT MS Assoc Prof Dairy Indus 12DEXTER FRENCHPhD DSc Prof and Chmn of Dept 2MUKHTAR ABDULLAH PhD Assoc Starch Enzymology 12R S ALLEN PhD Prof Anim Nutr Economics (Agr) and Sociology (Rural) 3690 1E W BIRD PhD Prof Darry Chem 12H J FROMM PhD Assoc Prof Enzymology 123K A FOX PhD Prof and Head of Dept 13I W ARTHUR PhD Prof Farm Mgt

# 1E W BIRD PhD Prof Darry Chem 12H J FROMM PhD Assoc Prof Enzymology 12D J GRAVES PhD Assoc Prof Metabolism 15P A REBERS PhD Assoc Starch Enzymology 15M H ROEPKE PhD Prof Vet Biochem 2B H THOMAS PhD Prof Nutr 12C L TIPTON PhD Assot Prof Lipids

Botany and Plant Pathology

3670

123F G SMITH PhD Prof and Head
1J M AIKMAN PhD DSc Prof (Emeritus) Ecol

12A G BALL PhD Prof Farm Mgt and Prod Econ
23C P BAUMEL PhD Assoc Prof Bus Mgt
12R R BENEKE PhD Prof Farm Mgt and Prod Econ
2L L BLAKESLEE MS Assoc Prod Econ
3L J BODENSTEINER MS Asst Prof Dist Ext Econ
1E A BRADY PhD Assoc Prof Macroecon
1D W BROWN PhD Assoc Prof Prod Econ (Iowa-Peru
Contract)
2G E CARRUTHERS MS Assoc Area Econ Devipmt
2L C CESAL MS Asst Prof Prod Econ (Iowa-Peru
Contract)
12P D DOAK PhD Asst Prof Mktq
2H C DRIVER MS Assoc Land Econ

Economics (Agr) and Sociology (Rural)- Continued

2R K EYVINDSON MS Assoc Prod Econ 12L B FLETCHER PhD Prof Mktg
2C F FRAMINGHAM BS Assoc Prod Econ

Devlomt

3E W ELDRIDGE PhD Prof Public Affairs and Area

3G A FUTRELL PhD Asst Prof Outlook and Econ

1R D LOOFT PhD Asst Prof History and Comparative 2H H HALL MS Assoc Prod Econ 123N E HARL PhD Assoc Prof Resource Econ 123E O HEADY PhD Dist Prof Prod Econ 1RICHARD MANATT PhD Asst Prof Sch Admin 1D H MARTIN BS Instr Indus Ed 1G A PARKS PhD Asst Prof Indus Ed 2H F HILL BS Assoc Farm Mgt 2D F HOLMES BS Assoc Regional Econ 1E E ROBINSON PhD Assoc Dean of Students 3H B HOWELL MS Prof Farm Mat 1W C SCHLOERKE EdD Asst Prof Ed Methods 12S C JAMES PhD Asst Prof Farm Mgt and Prod Econ 3M G JULIUS BS Assoc Indus Econ 10 J SHADLE MS Asst Prof Indus Educ 1A M SHERICK MS Assoc Prof Indus Educ 12D R KALDOR PhD Prof Agr Policy 2A P KLEINMAN MS Assoc Prod Econ 1G D WEEDE MS Instr Indus Educ 1M O WIENER MS Assoc Prof Indus Educ 3L G KRAL BS Assoc Dist Ext Econ 23F A KUTISH MS Prof Outlook and Econ Inform 12G M LADD PhD Prof Dairy and Poultry Mktg
2D I LUCEY MS Assoc Agr Policy Engineering (Agr) 123C W BOCKHOP PhD Prof Agr Engin and Head of Dept 2J A MAC MILLAN BS Assoc Area Econ Devlpmt 1D L AHRENS MS Instr Construction and Maintenance 12W R MAKI PhD Prof Regional and Area Econ Devipmt 25L B ALTMAN Jr PhD Assoc Prof Elec Power and 3R C MAXON PhD Asst Prof Consumer Mktg Proc 2L. V MAYER MS Assoc Prod Econ IW R ANDERSON MS Asst Prof Constr and Maint IW CMERRILL PhD Indus Organ and Econ Devlpmt 12C E BEER PhD Assoc Prof Soil and Water (Iowa-Peru Contract) 12HOBART BERESFORD BS AE Prof Elec Power and 3C G MOGGED MS Assoc Dist Ext Econ Proc 12W G MURRAY PhD Prof Agr Finance 12W F BUCHELE PhD Prof Power and Mach 3W E OGG PhD Prof Public Affairs 12L F CHARITY PhD Prof Elec Power and Proc 123A A PAULSEN PhD Assoc Prof Agr Policy 3E D PETERSEN MS Assoc Dist Ext Econ 25H D CURRENCE MS Collab Power and Mach 12HENRY GIESE MS Prof Farm Structures
2C T HAAN MS Assoc Soil and Water 3C E RICE BS Assoc Econ Devipmt 1THYRELE ROBERTSON BA Assoc Mktg (Iowa-Peru 1H E HANSEN BS Instr Constr and Maint Contract) 12T E HAZEN PhD Prof Farm Structures 123FRANK ROBOTKA MS Prof Coop 3H J HIRNING MS Assoc Rural Civ Defense
125W V HUKILL BS Prof Crop Condition and Storage 12J T SCOTT PhD Prof Mktg 2MORDECHAI SHECHTER MS Assoc Prod Econ 3D O HULL MS Prof Power and Mach 12G S SHEPHERD PhD Prof Agr Policy (Iowa-Peru 1C E JOHNSON MS Instr Power and Mach Contract) 12H P JOHNSON PhD Prof Soil and Water 3J M SKADBERG PhD Asst Prof Livestock Mktg 3E G STONEBERG MS Prof Farm Mgt 25W G LOVELY BS Collab Power and Mach 2A R MANN BS Assoc Farm Structures
12D W MANGOLD PhD Asst Prof Farm Structures 3J R STRAIN PhD Prof Dairy and Poultry Mktg 3R W THOMAS PhD Assoc Prof Public Affairs 12S J MARLEY PhD Asst Prof Power and Mach 23S H THOMPSON PhD Prof (Emeritus) Livestock Mktg 2ERIK THORBECKE PhD Prof Macroecon 12J A MERKEL MS Assoc Farm Structures 12J F TIMMONS PhD Prof Land Econ 3V M MEYER MS Assoc Prof Elec Power and Proc 2M P MOLNAU MS Assoc Power and Mach 12V J MORFORD MS Prof Constr and Maint 1R L TINNERMEIER PhD Asst Prof Prod Econ (Iowa-Peru Contract) 3W J TURNER BS Assoc Dist Ext Econ 2R P NICHOLSON BS Asst Prof Soil Mechanics and 3J W UHRIG PhD Asst Prof Grain Mktg 2M A ULRICH MS Assoc Regional Econ Engin 2R A NORTON BS Assoc Crop Condition and Storage 1D B PALMER PhD Assoc Prof Soil and Water IR I VANDENDRIES MS Assoc Econ Policy (Iowa-Peru Contract) 3J H PEDERSEN PhD Prof Farm Structures 1ROBERT VAN SLOOTEN AB Assoc Econ Theory 2W F RITTER BS Assoc Soil and Water (Iowa-Peru Contract) 3F W ROTH MS Assoc Prof Farm Structures 1HYLKE VAN deWETERING PhD Asst Prof Prod Econ 25R A SAUL MS Assoc Prof Crop Condition and Storage 25J L SCHMIDT BS Collab Anal Statis 1E R VIGUES MS Assoc Labor Transfer (Iowa-Peru 25R L STEELE MS Collab Crop Condition and Storage
25J M TROEGER BS Collab Crop Condition and Storage Contract) 1J J WALLACE BS Prof Farm Mut 2A A WARRACK MS Assoc Econ Theory 2G E WORDEN MS Assoc Form Mot 3L D VAN FOSSEN MVEd Asst Prof Crop Condition and Storage 3N J WARDLE PhD Assoc Prof Farm Safety 25FREDRICK WHEATON MS Collab Crop Prod Mach 3700 Education (Vocat Agr) 3T L WILLRICH PhD Assoc Prof Soil and Water 12R J BRYAN PhD Prof and Head of Dept 1D L BLAKE PhD Asst Prof Agr Educ 1N L BOYLES EdD Asst Prof Sch Admin Extension 3720 1DUANE BROWN PhD Asst Prof Guidance and ADMINISTRATION Counseling 3M A ANDERSON PhD Dean Univ Ext Dir Coop Ext ICE BUNDY MS Prof Agr Educ Serv (Tel 515-232-0443) IR J CANUTE EdD Assoc Prof Educ Counseling
IL L CARVER MS Prof Indus Educ 123FLOYD ANDRE PhD Dean of Col of Agr (Tel

515-232-0444)

Devlpmt

Home Ec Ext

3C E DONHOWE MS Asst Dir Ext Program 3C J GAUGER MS State Leader, 4-H Club Work

3L R KOLMER PhD State Leader Agr and Econ

3LOUISE ROSENFELD BS Asst Dir State Leader

Education (Vocat Agr) - Continued

2T G HOWE PhD Assoc Prof Stat 1C W JONES MS Asst Prof Educ Counseling 1G A KIZER PhD Asst Prof Philosophy

10 S KNUDSEN MA Assoc Prof Film Prod 1R A KNUTH BS Instr Indus Educ

IV S LAGOMARCINO PhD Prof Teacher Educ

IHR CRAWFORD MS Instr Agr Educ

IW E DIEDRICK MS Asst Prof Indus Educ 1H E DILTS PhD Assoc Prof Teacher Placement

1R A ENGEL PhD Asst Prof Sch Admin 3G E HOLMES MA Prof Educ

1G E HOPPER EdD Asst Prof Guidance and Counseling

IOWA 3720-3770

#### Extension-Continued

3M W SOULTS BS Asst Dir Admin Mgt

3H E WALTER BA Adm Asst

STAFF SERVICES

3M V EXNER MA Prof Music

3R L LAWRENCE PhD Assoc Prof Staff SUPERVISION

3V M ANDERSON BS Dist Director

3G E BOEHNKE MS Dist Director

3A T GOETTSCH MS Dist Director

3R D IVERSON MS Dist Director 3W J JOHNSON MS Ext Area Director

3L M REID MVEd Dist Director

3T A ROBB MS Ext Area Director 3R L SWENSON MS Ext Area Director

# Home Economics Program

3BERNICE BATESON MA Dist Leader 3Mrs MILDRED B RYAN MS Dist Leader 3Mrs GERTRUDE SMITH BS Dist Leader 3Mrs MILDRED WELLMAN MS Dist Leader 3Mrs MARGARET YODER MS Asst State Leader

#### 4-H Club and Other Youth Work

3MARIE BISHOP MS Ext 4-H Leader 3S V DAVIDSON MS Ext 4-H Leader 3RAMONA L ESBECK MS Ext 4-H Leader 3H E GEIGER MS Ext 4-H Leader 3G A LINEWEAVER MS Ext 4-H Leader 3G E PARSONS MS Ext 4-H Leader 3ESTHER L WHETSTONE MS Ext 4-H Leader

#### Short Courses

3GEORGE EBERT MS Assoc Short Course Leader

Forestry

123C H STOLTENBERG PhD Prof and Head of Dept

1DW BENSEND PhD Prof Wood Tech

5C F BEY MS Collab For Genet

5G G ERDMANN MS Collab For

5R F FINN MS Assoc Prof For Tree Physiol

12G E GATHERUM PhD Prof Silvic 12F S HOPKINS Jr PhD Assoc Prof For Econ

1L F KELLOGG MF Prof For Mgt
1J A LARSEN PhD Assoc Prof For

1DEWITT NELSON BS Visiting Lect Resource Policy

5R E PHARES PhD Collab For Tree Physiol

23D R PRESTEMON PhD Asst Prof For Prod

1V G SMITH MS Instr For

1G W THOMSON PhD Prof For Mgt

12K D WARE PhD Assoc Prof For Mensuration

12J D WELLONS PhD Asst Prof Wood Chem

3740 Genetics

12W J WELSHONS PhD Prof and Head of Dept 12H T BAUSUM PhD Asst Prof Micro Genet

12W F HOLLANDER PhD Prof Anim Genet

12W J MILLER PhD Assoc Prof Anim Genet

12D S ROBERTSON PhD Prof Plant Genet

5KIYOSHI SADANAGA PhD Assoc Prof Plant Genet

12P E THOMPSON PhD Assoc Prof Anim Genet

Home Economics 3750

12HELEN R LE BARON PhD Dean of Home Econ

(Tel 515-294-5980)

1JULIA M FALTINSON MS Assoc Dean of Home Econ

(Col of Home Econ)

12MARGUERITE SCRUGGS PhD Asst Dean of Home

Econ 124ELIZABETH BEVERIDGE MS Prof and Head of

Household Equip

12WILMA BREWER PhD Prof and Head of Food and Nutr

12D B GARDNER PhD Prof and Head Child Devlomt

Home Economics - Continued

12MAJORIE GARFIELD MFA Prof and Head of Applied Ārt

12ALBERTA D HILL EdD Prof and Head of Home Ec Educ

12MARGARET I LISTON PhD Prof and Head of Home Mat

12MARJORIE McKINLEY PhD Prof and Head of Inst Mgt 12MARGARET WARNING PhD Prof and Head of Textiles

and Clothing 12LOTTE ARNRICH PhD Prof Food and Nutr

12FRANCES CARLIN PhD Prof Food and Nutr

12HESTER CHADDERDON PhD Prof Home Econ Educ

12PILAR GARCIA PhD Assoc Prof Food and Nutr 13Mrs MAXINE A HINTON PhD Asst Prof Food and Nutr 12MARY A KENNEY PhD Asst Prof Food and Nutr

12ELEANORE KOHLMANN PhD Assoc Prof Home Econ Educ

3EMELDA KUNAU BS Asst Prof Applied Art

3R A MAHAN MS Asst Prof Child Devlpmt 3PHYLLIS OLSON MS Assoc Prof Food and Nutr 12DAMARIS PEASE PhD Prof Child Devlpmt

12Mrs MARY S PICKETT PhD Assoc Prof Household Equip

23OPAL M ROBERSON MA Assoc Prof Textiles and Clothing

124CHARLOTTE RODERUCK PhD Prof Food and Nutr 3NAOMI D SHANK BS Assoc Pro: Household Equip 3SHIRLEY J SMITH MS Asst Prof Textiles and

2PEARL SWANSON PhD Prof Food and Nutr 12GEITEL WINAKOR PhD Prof Textiles and Clothing

Horticulture 3760

123J P MAHLSTEDE PhD Prof and Head of Dept

1R J BAUSKE PhD Asst Prof Flor

12G J BUCK PhD Assoc Prof Flor 3A E COTT MS Prof Fruit Crops and Turf

12E L DENISEN PhD Prof Fruit Crops

123D H DINKEL PhD Asst Prof Fruit Crops

2F E MARKLAND MS Assoc Turf Physiology

1H E NICHOLS MS Prof Fruit Crops

12B S PICKETT MS Prof Fruit Crops

1F D RAUCH MS Instr Fruit Crops

12E C ROBERTS PhD Prof Turf Physiology 12F H SCHULTE PhD Asst Prof Hort Physiology

23C H SHERWOOD PhD Assoc Prof Flor

3B F VANCE BS Assoc Prof Ornamentals and Veg

IE C VOLZ MS Prof Flor

12J L WEIGLE PhD Asst Prof Hort Veg Crops

Information Service

3770

123CARL HAMILTON BS Prof and Dir Univ Relations 3D M BANNISTER BS Assoc Prof and Asst Ext Ed

3C L BENN Assoc and Ext Photog

2C J DEUTSCH Assoc and Sta Photog

3R M DUNAWAY BS Assoc and Asst Ext Ed

23MARION E DWELLE BS Asst Prof and Asst Ext Ed

3E O HAROLDSEN MS Asst Prof and Ed Cent for Agr and Econ Devlpmt

3LOUISE A HAUG BA Pub Asst

2J F HEER MS Assoc Prof and Exp Sta Ed

3J C HERMAN MS Assoc and Asst Ext Ed 3D CANDACE HURLEY BS Assoc Prof and Asst Ext Ed

13K R KERN PhD Assoc Prof and Ext Ed

3H L KOOSER BS Asst Prof Vis Instr 2Mrs PAMELA H LASSAHN BS Assoc and Asst Exp

Sta Ed

3Mrs JANET K MACY MS Assoc and Asst Ext Ed (WOI TV) 3D V McGINNIS BS Asst Prof and Mkt News Ed

(Radio and TV) 3D L NELSON MS Assoc and Asst Ext Ed

3R L ROGERS BS Assoc and Asst Ext Ed

23RL SCOTT Assoc and Staff Artist

23C M SIMON BS Ass∞ Prof and Mgr Publ

3770–3830	IOWA
nformation Service- Continued	Statistics 3810
3L E THOMPSON BS Asst Prof and Assoc Ext Ed and Ed, Farm Sci	12T A BANCROFT PhD Prof and Head of Dept Anal Statis, Estim and Testing, Theory of Statis In-
3G L VACIN MS Associand Asst Ext Ed	ference
3D R WILLIAMS BS Assoc Prof and Asst Ext Ed (Radio and TV)	12HAROLD BAKER MS Asst Prof Sampling, Survey Methods
	12FOSTER CADY PhD Assoc Prof Anal Statis Design and Anal
Journalism (Tech) 3780	12WAYNE FULLER PhD Prof Anal Statis,
1J W SCHWARTZ MS Prof and Head of Dept 1M E BAILEY MS Asst Prof Ed	Econometrics, Sampling 12DONALD HOTCHKISS PhD Assoc Prof Anal Statis
1E G BLINN MS Assoc Prof News Ed	Design and Anal
IC G BRATTON MS Asst Prof Advertising	12DAVID JOWETT PhD Asst Prof Anal Statis Design
1J A CROOK MA Instr Reporting 1R L DISNEY BS Assoc Prof Writing	and Anal
1J T EMMERSON MS Asst Prof News Res	12OSCAR KEMTHORNE ScD Prof Design and Anal, Theory of Statis Inference, Pop Studies
1R P FASSEL MS Asst Prof Ed	12EDWARD POLLAK, PhD Asst Prof Anal Stat Genet
1RODNEY FOX MS Prof Tech Journalism	Stat
1R D GREENLEE BS Instr Advertising Radio-TV 1R C JOHNSON MS Asst Prof Photog	123N V STRAND MS Prof Sampling, Survey Methods
TWF KUNERTH MSJ Assoc Prof Reporting and Advertising	
1K R MARVIN MS Prof Tech Journalism	
1LA RUE POLLARD MS Asst Prof Reporting Writing	Veterinary Medicine 3820
1J D SHELLEY BS Assoc Prof (Radio and TV) 1D E WELLS PhD Assoc Prof Journalism Res	IR L KITCHELL DVM PhD Dean of Vet Med (Tel
ASSOC Flot Journalism Nes	515-294-1242) IW B BUCK PhD Assoc Prof Vet Diagnostic Lab
	IROBERT GETTY DVM PhD Prof and Head of Anat
	3J B HERRICK DVM MS Prof Vet Obstet
andscape Architecture 3790 1T A BARTON MLA Prof and Chmn of Landsc Arch	2M S HOFSTAD DVM PhD Prof Vet Microbiol and
1R W DYAS MLA Prof Landsc Arch	Preventive Medicine 1M L KAEBERLE DVM PhD Assoc Prof Microbiol and
1J R FITZSIMMONS MLA Professor Urban Planning	Preventive Med
1P C KILLAM MLA Asst Prof Urban Planning	3C D LEE DVM MS Prof Microbiol and Preventive
1K F LANE MLA Asst Prof Landsc Arch 1W A MALONE MS Asst Prof Urban Plaining	Med
3B A PARKS BS Asst Prof Community Planning and	1R A PACKER DVM PhD Prof and Head of Microbiol and Preventive Med
Devlpmt	1F K RAMSEY DVM PhD Prof and Head of Path
1J B SINATRA MLA Asst Prof Landsc Arch	1V A SEATON DVM MS Prof Path and Head of
3MARGHERITA TARR BS Assoc Prof Landsc Arch	Diagnostic Lab
	3M L SPEAR DVM Prof Vet Med and Surg 1M J SWENSON DVM PhD Prof and Head of Vet
	Physiol and Pharmacol
Poultry Science 3800 123R H FORSYTHE PhD Prof and Head of Dept	2W P SWITZER DVM PhD Prof of Vet Microbiol and
12S L BALLOUN PhD Prof Nutr	Preventive Med  1W M WASS DVM PhD Prof and Head of Vet Clin Sci
2D M BRIGGS BS Assoc Genet	1E E WEDMAN DVM PhD Prof Vet Microbiol and
2C S DAVID MS Assoc Genet	Preventive Med
3L Z EGGLETON MS Prof Ext Mktq 2S K GANDHI PhD Post Doct Prod Technol	
3R A JUNGK MS Assoc Ext Poultry Prod Technol	
3C D LEE DVM MS Prof Vet Med-Poultry Path	
12W W MARION PhD Assoc Prof Food Technol	Zoology and Entomology 3830
12D L MILLER PhD Asst Prof Nutr 12A W NORDSKOG PhD Prof Genet	1230 E TAUBER PhD Prof and Chmn of Dept
3W J OWINGS PhD Asst Prof Ext Nutr	12R W BACHMANN PhD Asst Prof Wildlife 25T A BRINDLEY PhD Prof Ent
2W A RISHELL MS Assoc Genet	1B W BUTTREY PhD Prof Zool
2W J ROSS MS Assoc Prod Technol	12I M CAMPBELL PhD Assoc Prof Ent
2G M SPEERS MS Assoc Nutr	12K D CARLANDER PhD Prof Wildlife
	12P A DAHM PhD Prof Ent 1D R GRIFFITH Asst Prof Zool
	3H L GUNDERSON PhD Prof Ent
ociology and Anthropology 3805	25W D GUTHRIE PhD Assoc Prof Ent
12W F KENKEL PhD Prof and Head of Dept 5W W BAUDER PhD Collab Rural Social	26A O HAUGEN PhD Prof Wildlife
123G M BEAL PhD Prof Cultural Diffusion	12E T HIBBS PhD Prof Ent 1E A HICKS PhD Prof Zool
12J M BOHLEN PhD Prof Cultural Diffusion	5JEROME KLUN PhD Collab Ent
1R J BRUENE BS Instr Social	1H H KNIGHT PhD Prof Ent
2MARY K DAVIS BS Assoc Community 12J A DOERFLINGER PhD Asst Prof Pop and Demog	12J L LAFFOON PhD Prof Ent
2J J HARTMAN PhD Asst Prof Community	3R B MOORMAN PhD Assoc Prof Wildlife 6R J MUNCY PhD Asst Prof Wildlife
12P R KIMMEL PhD Asst Prof Fam Social	1J A MUTCHMOR PhD Asst Prof Zool
12G E KLONGLAN PhD Asst Prof Community	12D C PETERS PhD Assoc Prof Ent
3M B LIND MS Assoc Area and Community Devlpmt 2C L MULFORD PhD Asst Prof Complex Organization	15E S RAUN PhD Assoc Prof Ent
2J R NYE BS Assoc Communications	3H J STOCKDALE PhD Asst Prof Ent 1M J ULMER PhD Prof Zool and Ent
3R C POWERS PhD Assoc Prof Area and Community	12P A VOHS PhD Instr Wildlife
Devlpmt	12M W WELLER PhD Assoc Prof Wildlife

DevIpmt

12R D WARREN PhD Assoc Prof Sociological Methods
2J P YARBROUGH MS Assoc Communications

KANSAS 2040 2000

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The College of Agriculture, the Agricultural Experiment Station, and the Cooperative Extension Service of Kansas State University of Agriculture and Applied Science,

1College Staff 2Station Staff 3Extension Staff 4I.eave of Absence 5Coop USDA 6Other Govt Agency

2940

3850

I.I A McCAIN EdD LLD Pres 1G H BECK PhD Vice Pres for Agr (Tel 913-Jefferson 9-2211 Ext 281)

12F W SMITH PhD Dir Agr Expt Sta (Tel 913-Jefferson 9-2211 Ext 281)

3H E JONES PhD Dir of Ext (Tel 913-Jefferson 9-2211 Ext 237)

12C V HESS PhD Dean Col of Agr and Assoc Dir Agr Expt Stg (Tel 913-Jefferson 9-2211 Ext 253)

ID D BEATTY MS Bus Morr

12LOWELL BRANDNER PhD Expt Sta Ed 1F R CARPENTER MS Asst Dean Col of Agr

12G R DODGE BS CPA Asst Prof and Admin Asst

3P W GRIFFTTH PhD Assoc Dir of Ext

3W E RINGLER PhD Asst Dir of Ext

Agronomy

123R V OLSON PhD Prof Agron and Head of Dept

2D C ADRIANO MS Res Asst Soil Fert

12K L ANDERSON PhD Prof Pasture Mat 25C H ATKINSON MS Assoc Prof Soil Surv (PO Concordia)

2M C AXELTON BS Instr in Chg of Southwest Expt Field (PO Minneola)

12F L BARNETT PhD Assoc Prof Grass Brdr

2F A BERNARDO PhD Res Asst Sorghum Brdr

120 W BIDWELL PhD Prof Soil Surv
3F G BIEBERLY MS Prof Crops and Soils

2L A BURCHETT BS Instr in Cha of North Central Expt Fields (PO Belleville)

15A J CASADY PhD Asst Prof Sorghum Brdr

3E A CLEAVINGER BS Prof Crops and Soils

15J D DICKERSON MS Res Asst Wind Erosion

5L A DISRUD BS Res Asst Erosion

3D H EDELBLUTE BS Asst Prof Crops and Soils (PO Garden City) 12ROSCOE ELLIS Jr PhD Prof Soil Chem

12K C FELTNER PhD Assoc Prof Weed Control

2D M GRONAU BS Instr in Chg of Newton Expt Field (PO Newton)

3H B HARPER MS Asst Prof Soil Conserv

2Mrs KAREN HAARD MS Res Asst Genet

12E G HEYNE PhD Prof Small Grain Brdr 12J A HOBBS PhD Prof Soil Mgt 3R M HYDE PhD Asst Prof Pasture Mgt

12H S JACOBS PhD Prof Soil Chem and Dir Kansas Water Resources Res Inst

2R F KOENIG MS Res Asst Sorghum Brdr

5R K KRAUSS BS Tech in Wind Erosion 12G H LIANG PhD Asst Prof Cytogenet

25J R LOFGRENMS Res Asst Small Grain Brdr

2M. C LUNDQUIST MS Asst Prof in Chg of Sandyland Expt Field (PO St John)

15LEON LYLES MS Asst Prof Water Erosion 12E L MADER PhD Assoc Prof Farm Crops

2W A MOORE BS Asst Prof in Chg of South-Central Expt Field (PO Hutchinson)

12L S MURPHY PhD Asst Prof Soil Fert

23E B NILSON PhD Asst Prof Herbicides
2C B OVERLEY MS Asst Prof Foundation Seeds
2C E OWENSBY BS Res Asst Pasture Mgt

12G M PAULSEN PhD Asst Prof Crop Phys 12T H PITTENGER PhD Prof Genet

12W L POWERS PhD Asst Prof Soil Phys

2R J RANEY MS Asst Prof in Chg of Irrig Expt Field (PO Scandia)

Agronomy-Continued

120 G RUSS MS Assoc Prof Weed Control

3D H SANDERS MS Asst Prof Soils

15E L SKIDMORE PhD Asst Prof Water Erosion 2R F SLOAN MS Asst Prof in Cha of Combelt Expt. Field (PO Powhattan)

15B M SMITH PhD Asst Prof Water Erosion

15E I SORENSEN PhD Asst Prof Alfalfa Brdr

2C W SWALLOW MS Asst Prof Farm Supt

12R L VANDERLIP PhD Asst Prof of Crops

2T L WALTER MS Asst Prof Variety Testing
12C E WASSOM PhD Assoc Prof Corn Brdr

23D A WHITNEY PhD Asst Prof Soil Testing

23H D WILKINS MS Asst Prof (Kansas Crop Improv

Assoc) 124L V WITHEE PhD Assoc Prof Soils (Nigeria)

2F J WOODING MS Res Asst Soil Fert

15N P WOODRUFF MS Asst Prof Wind Erosion

Animal Husbandry

123D L GOOD Prof Anim Husb and Head of Dept

3G A AHLSCHWEDE MS Ext Instr Anim Husb

12D M ALLEN PhD Asst Prof Meat Sci and Gen Anim Husb

12B E BRENT PhD Asst Prof Anim Nutr

12R F COX PhD Prof Anim Hush

12C L DBAKE PhD Assoc Prof Beef Cattle Bes

1241. H HARBERS PhD Assoc Prof Anim Nutr (Nigeria)

12R H HINES PhD Asst Prof

12G H KIRACOFE PhD Asst Prof Physiol and Genet

12B A KOCH PhD Prof Swine Husb

12D H KROPF PhD Assoc Prof Meat Sci 3V E McADAMS MS Ext Asst Prof Livestock

12MILES McKEE MS Asst Prof Anim Husb

12C S MENZIES PhD Assoc Prof Sheep Res

23W A MOYER MS Ext Prof Livestock Spec 12DRAYTFORD RICHARDSON PhD Prof Anim Nutr

12R R SCHALLES PhD Asst Prof Genet

12E F SMITH PhD Prof Anim Husb Pasture Mgt 12W H SMITHMS Asst Prof Anim Brdg

124H G SPIES PhD Assoc Prof Physiol of Reprod

12H J TUMA PhD Assoc Prof Meat Sci

3H W WESTMEYER MS Ext Asst Prof Livestock

124J D WHEAT PhD Assoc Prof Genet (Nigeria)

3K O ZOELLNER PhD Ext Asst Prof Livestock

# Bacteriology (Col of Arts and Sci)

3870

3860

1A F BORG PhD Prof Bact and Head of Dept 12R A CONSIGLI PhD Assoc Prof Bact Biochem Virol 124ABRAHAM EISENSTARK PhD Prof Bact Microbiol

Genet

12L E ERWIN PhD Assoc Prof Bact Avian Microbiol

12L R FINA PhD Assoc Prof Bact Physiol

12V D FOLTZ MS Prof Public HIth Bact 12J O HARRIS PhD Prof Soil Microbiol

12W A MILLER PhD Assoc Prof Food Bact

12HARVARD REITER Asst Prof Bact Physiol

**Biochemistry** 

3880

12H L MITCHELL PhD Prof Biochemistry and Head of Dept

12R K BURKHARD PhD Prof Protein Chem 12R E CLEGG PhD Prof Proteins and Enzyme Chem

12B A CUNNINGHAM PhD Asst Prof Enzyme Chem 12CHARLES LEDGCOTH JR PhD Asst Prof Nucleic

Acids 12W E KLOPFENSTEIN PhD Asst Prof Lipia Chem.

2A M LATSCHAR BS Res Asst Anal Lab

12PHILIP NORDIN PhD Assoc Prof Carbohydrate and Enzyme Chem

12D B PARRISH PhD Prof Nutr Chem

2S N ROGERS JR BS Res Asst Anal Chem

12W S RULIFFSON PhD Assoc Prof Drug and Toxic Cmpd Absorp and Metab

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2 . (0.14 . 16.0)		
Botany (Col Arts and Sci)	3890	Agricultural Economics - Continued
123S M PADY PhD Prof Botany and Head of Dept		12D A KNIGHT PhD Assoc Prof Farm Mgt
12L C ANDERSON PhD Asst Prof Anat		12J W KOUDELE PhD Assoc Prof Poultry Mktg
12T M BARKLEY PhD Asst Prof Taxon Curator		3E L McCLELLAND BS Instr Ext Farm Mat (PO Colby)
12J C FRAZIER PhD Prof Physiol		12J H McCOY PhD Prof Livestock Mktg
12J A GOSS PhD Asst Prof Physiol		3H J McDONALD MS Asst Prof Ext Grain Mktg
12L C HULBERT PhD Assoc Prof Ecol		3K L McREYNOLDS MS Asst Prof Ext Dist Farm
12C L KRAMER PhD Assoc Prof Mycol		Mgt (PO Hutchinson)
12ELIZABETH U McCRACKEN PhD Assoc Prof		12M L MANUEL PhD Prof Mktg and Coops
Cytogenet		
12J S WEIS PhD Asst Prof Physiol		12GEORGE MONTGOMERY PhD Prof Agr Policy
125 5 WEIST IID ASSURED FRYSION		3W G MULLEN BS Instr Ext Farm Mgt (PO Erie)
		25C W NAUHEIM MS Prod Econ
Cl 1 . (C.) (		3D A OLSEN MS Asst Prof Ext Resource Development
Chemistry (Col of Arts and Sci)	3900	(PO Hiawatha)
1A H DAANE PhD Prof of Chem and Head of Dept		12FRANK ORAZEM PhD Prof Prod Econ
12H C MOSER PhD Assoc Prof Radio Chem		12M L OTTO MS Assoc Prof Agr Credit and Finance
12W G SCHRENK PhD Prof Phys Chem		3F L OVERLEY MS Asst Prof Ext Dist Farm Mgt
1F C LANNING PhD Assoc Prof Inorg Chem		(PO Colby)
		3L C PARKER BS Instr Ext Farm Mgt (PO Warnego)
		12W H PINE PhD Prof Land Econ
Commerce (Col of)	3905	3D D PRETZER BS Instr Ext Form Mgt (PO Garnett)
1C C JONES PhD Prof and Dean of Col		1234C E REED MS Instr Ext Mkt Dev & Plt Feasibility
12RAY COLEMAN MS Asst Prof Bus Adm		34J R SCHLENDER MS Asst Prof Ext Dist Form Mgt
Table 1 Cold State 1 to 1 Dus Num		
		12L W SCHRUBEN PhD Prof Grain Mktg
Dains and Busters Salana	2010	12J B SJO PhD Assoc Prof Farm Mgt
Dairy and Poultry Science	39 10	12M D SKOLD PhD Asst Prof Farm Mgt
123C L NORTON PhD Prof Dairy and Poultry Sci and	1	3J F SMERCHEK BS Instr Ext Farm Mgt
Head of Dept		(PO Greensburg)
123A W ADAMS PhD Asst Prof Poultry Sci		3P E SMYTHE MS Asst Prof Ext Resource Development
12C A ARMSTRONG BS Instr Dairy Impr		12L O SORENSON PhD Assoc Prof Transportation and
12E E BARTLEY PhD Prof Dairy Prod		Mktg
12RICHARD BASSETTE PhD Assoc Prof Dairy Mfg		123W B THOMAS MS Assoc Prof Ext Farm Mgt
3E R BONEWITZ MS Ext Assoc Prof Dairy Sci		3D D TRAYER BS Instr Ext Farm Mgt (PO Garden City)
3E P CALL MS Ext Instr Dairy Sci		3J L TREAT MA Asst Prof Ext Dist Spec Farm Mat
12T J CLAYDON PhD Prof Dairy Mfg		(PO Iola)
12J V CRAIG PhD Prof Genet		34S E TRIEB MS Assoc Prof Ext Mktg and Retailing
12E L FARMER PhD Assoc Prof Dairy Prod		12E W TYRCHNIEWICZ Asst Prof Mktg
12K A HUSTON PhD Prof Dairy Prod		3K E URBAN MS Instr Ext Farm Mat (PO Colby)
3M E JACKSON MS Ext Asst Prof Poultry Sci		3MILDRED L WALKER MS Asst Prof Ext Mktg Consum
12A J KAHRS BS Instr in Chg Poultry Farm		Econ Econ
12G B MARION PhD Prof Dairy Prod		3L E WHIPPS MS Asst Prof Ext Dist Farm Mgt
12ROSS MICKELSEN MS Asst Prof Dairy Mfg		(PO Garden City)
12J D MITCHELL PhD Asst Prof Poultry Prod Tech		23N V WHITEHAIR PhD Asst Dept Head for Ext and
12J L MORRILL PhD Asst Prof Dairy Prod		
		Prof Ext Mktg
12D J MUGLER MS Instr Poultry Sci		3R H WILKOWSKE PhD Ass∞ Prof Ext Dairy Mktg
12H A ROBERTS BS Instr Dairy Mfg		
12P E SANFORD PhD Prof Nutr		F . (0.1.44 . 1.6.3)
12G M WARD PhD Prof Dairy Prod		Economics (Col of Arts and Sci) 3922
		123J A NORDIN PhD Prof Econ and Head of Dept
		12ESBAGLEY PhD Prof Water Econ
Agricultural Economics	3920	
123 J A NORDIN PhD Prof Econ and Head of Dept		
3E K BAKER MS Asst Prof Ext Resource Develops	nent	Sociology and Anthropology (Col of Arts and Sci) 3925
3Q D BANKS PhD Asst Prof Ext Mktg Inform		1E A FRIEDMANN PhD Prof and Head of Dept
3C E BARTLETT BS Instr Ext Form Mgt		12R E DAKIN PhD Prof Social Community and Area
(PO Clay Center)		Devlomt
3R J BEVINS PhD Assoc Prof Ext Public Affairs		12JOSEPH DI SANTO PhD Asst Prof Social Demography,
120 H BULLER PhD Asst Prof Farm Mgt		Ecol, Area Devlpmt
3H D BYARLAY BS Instr Ext Form Mgr (PO Lincol	in)	12W C ROHRER PhD Prof Social Population and Area
3W D COLLINS MS Instr Ext Farm Mgt (PO Hutchin		Devlpmt
3J H COOLIDGE MS Prof Ext Form Mot	,	2014pmt
3R L COPPERSMITH PhD Prof Ext Livestock Mktg		
3W M DICKSON MS Instr Ext Farm Mgt (PO Hiawath		Education (Agr) (Col of Educ) 3930
123D B ERICKSON PhD Assoc Prof Ext Resource	iu,	1R J AGAN EdD Prof Head of Teacher Educ
Development Associated Latinesource		
		1J J ALBRACHT PhD Asst Prof Agr Educ
		1H R BRADLEY MS Assoc Prof Agr Educ
3D L FIGURSKI MS Asst Prof Ext Dist Farm Mgt		1C O JACOBS MS Asst Prof Form Mech
(PO Hiawatha)		1P N STEVENSON MS Assoc Prof Farm Mech
3L P FRAZIER MS Asst Prof Ext Resource Devlpm	11	
3H W FREDERICK BS Instr Ext Form Mgt		
(PO Hutchinson)		Engineering (Agr) (Col of Engin) 3940
3L S GREENE BS Instr Ext Form Mgt (PO Concordi	ia)	12G H LARSON PhD Prof of Agr Engin and Head of Dept
3W D GUY BS Instr Ext Farm Mgt (PO Chanute)		3F B BERGSRUD BS Ext Instr Agr Engin
3R F HACKLER BS Instr Ext Farm Mgt (PO Hiawa	th <b>a)</b>	(Rural Civ Defense)
3C A HAGEMAN BS InstrExt Form Mgt		25D S CHUNG PhD Asst Prof Agr Engin
(PO Hutchinson)		15H H CONVERSE MS Agr Engin Off Farm Conditioning
3R J HAMILTON BS Instr Ext Farm Mgt (PO LaCro	sse)	12G E FAIRBANKS MS Prof Farm Mach
12L M HOOVER PhD Prof Form Mgt		34L W FITZGERALD MS Ext Instr Agr Area Engin
3M E JACKSON MS Asst Prof Ext Poultry Mktg		12J W FUNK MS Asst Prof Soil Conserv
12P L KELLEY PhD Prof Mktg		3R L HERPICH MS Ext Prof Irrig Engin

KANSAS 3940-3970

Engineering (Agr) ( Col of Engin)-Continued

12T O HODGES PhD Prof Farm Structures

12R I LIPPER MS Assoc Prof Rural Electrification

2H L MANGES MS Asst Prof Irrig 2R L MENSCH MS Instr Farm Structures

15G R MOWRY BS Agr Engin Elec Environmental Sect

3D E SCHINDLER MS Ext Assoc Prof Arch 3L R SCHUYLER BS Ext Instr Irrig Engin

3W E SELBY MS Ext Asst Prof Agr Engin

3H E STOVER BS Ext Prof Agr Engin

3J A TRUE MS Ext Asst Prof Agr Engin

3L T WENDLING MS Ext Prof Agr Engin

#### Engineering (Chem) (Col of Engin)

3950

1W H HONSTEAD PhD Prof Chem Engin and Head of Dent

12R C HALL MS Asst Prof

# Engineering (Nuclear) (Col of Engin)

3955

1W R KIMEL PhD Prof Nuclear Engin and Head of Dept

IJ O MINGLE PhD Prof

IR E FAW PhD Asst Prof

IWALTER MEYER PhD Asst Prof

1R W CLACK BS Asst Prof

#### Entomology

3960

123HERBERT KNUTSON PhD Prof Ent and Head of Dept 12H D BLOCKER PhD Asst Prof Taxon Grassland Insects Leafhoppers

3H L BROOKS MS Ext Instr Pesticidal Safety

2L J DEPEW MS Asst Prof Insects in Southwestern Kansas (PO Garden City)

12R J ELZINGA PhD Assoc Prof Med Insects Mites 12E L ESHBAUGH MS Asst Prof Fruit Veg Insects

3D E GATES MS Ext Assoc Prof

2T L HARVEY PhD Assoc Prof Insects in North Central and Northwest Kans (PO Hays)

12T L HOPKINS PhD Assoc Prof Physiol Toxicol

Tracers Pesticidal Residues

12A M KADOUM PhD Asst Prof Pesticidal Chemistry

12N M KAUFFELD MS Instr Apic

12R B MILLS PhD Asst Prof Stored Prod Insects

12R H PAINTER PhD LLD Prof Host Plant Resistance to Insects Taxon

12C W PITTS PhD Asst Prof Livestock Insects

12C W RETTENMEYER PhD Assoc Prof Insect Behavior Ecol

6J H SIMPSON MS (State Board Agric) Surveys 5H W SOMSEN MS Collab Wheat Streak-Mosaic

Vectors Hessian Fly

12H E THOMPSON PhD Assoc Prof Tree Ornam Forest Insects

12D A WILBUR MS Prof Stored Prods Insects
12G E WILDE PhD Asst Prof Field Crop Insects

#### Extension Adminstration

3970

3H E JONES PhD Dir of Ext

3P W GRIFFITH PhD Assoc Dir of Ext 3W E RINGLER PhD Asst Dir of Ext

23R A BOHANNON PhD Asst to Dir of Ext 3M E STARK MS CPA Ext Instrand Admin Asst

#### EXTENSION INFORMATION

13K F. THOMAS PhD Prof and State Ldr and Dir Div of Univ Inform

OFFICE OF EXTENSION INFORMATION

3E D WARNER BS Prof Assoc State Ldr

3MIRIAM L DEXTER MS Assoc Prof Asst Ext Ed 23G R DIERKING BFA Instr Ext Spec in Vis Aids

3R O GRAHAM MS Asst Prof Asst Ext Ed

3F M PARRIS MS Assoc Prof Asst Ext Ed

3E GPECK MS Instr Ext Spec in Vis Aids

3H G SHANKLAND BS Assoc Prof Assoc Ext Ed

Extension Administration-Continued

3MARJORIE A TENNANT MS Asst Prof Asst Ext Ed 3C R UNRUH MS Asst Prof Asst Ext Ed

OFFICE OF RADIO AND TELEVISION EXTENSION 3J M BURKE MS Assoc Prof Assoc State Ldr Mar

Radio Sta KSAC

3P F DEWEESE MS Asst Prof Ext Spec in Radio and TV

13H T HILL Jr MS Asst Prof Ext Spec in Radio and TV 3L D KUEHN BS Instr Ext TV Prod

3MRS BETTY L NORRIS BS Instr Ext Spec in Radio md TV

3G K NUGENT BS Ext Asst Ext Motion Pic Prod

3D M SPRINGER MS Asst Prof Sec Ldr and Ext TV Prod

3J R STOCKARD BS Ext Asst Ext Motion Pic Prod 3R S TITUS MS Asst Prof Asst Mgr Radio Sta KSAC

#### EXTENSION HOME ECONOMICS

3Mrs SHIRLEY A MARSH PhD Prof State Ldr 3ANNABELLE J DICKINSON MS Asst Prof Asst to State Ldr

3MARGARET A KOENIG MS Prof Assoc State Ldr 3PHYLLIS E KEMP MS Asst Prof Asst to State Ldr 3MRS ELINOR A ANDERSON MS Asst Prof Ext Spec Home Mat

34DAISY E ATKINSON MS Asst Prof Ext Spec Foods and Nutr

3MARTHA E BRILL BS RN Asst Prof Ext Spec Health 3Mrs JEAN K CARLSON MS Asst Prof Dist Ext Spec Home Mat

3Mrs VERA M ELLITHORPE PhD Assoc Prof Ext Spec Home Mgt

3MRS DEBORAH HOBBLE MS Asst Prof Ext Spec Fam Life

3NAOMI M JOHNSON MS Assoc Prof Ext Spec Clothing and Textiles

3ELSIE L MILLER MS Asst Prof Ext Spec Foods and Nutr

3MRS DOROTHY H NEUFELD MS Asst Prof Dist Ext Spec Home Mat

3INEZ PASS MS Asst Prof Ext Spec Foods and Nutr 3MRS ETHEL L SELF MS Assoc Prof Ext Spec Home Mat

3MRS WINONA M STARKEY MS Asst Prof Ext Spec Home Furnishings

3MRS JUDITH R URICH MS Asst Prof Dist Ext Spec Home Mat

3M CHRISTINE WIGGINS MS Assoc Prof Ext Spec Clothing and Textiles

4-H AND OTHER EXTENSION YOUTH PROGRAMS 3G M BUSSET PhD Prof State Ldr

3J D APEL PhD Assoc Prof Assoc State Ldr 3C T BATES MS Asst Prof Exp Spec in 4-H Club Work

3MARJORIE J DUNN MS Asst Prof and Ext Spec in 4-H Club Work

3C L EYESTONE MS Assoc Prof Ext Spec in 4-H Club Work

3J B HANNA MS Assoc Prof Ext Spec in 4-H Club Work 3ARLISS E HONSTEAD MS Asst Prof Ext Spec in 4-H Club Work

3NE SCHLESENER BS Instrand Ext Spec in 4-H Club Work (Citizenship-Civil Defense Programs)

3R B TOMKINSON MS Asst Prof Ext Spec in 4-H Club Work

#### COUNTY EXTENSION OPERATIONS

30 W NORBY PhD Prof and State Ldr Field Oper 3MAE BAIRD MS Prof and Coord of Ext Studies

3E W BLANKENHAGEN BS Asst Prof Dist Agr Agt

34L J COX MS Assoc Prof Dist Agr Agt 34ROSEMARY A CRIST BS Instr Dist Home Econ Agt

3D DEAN DICKEN MS Asst Prof Area Ext Agron 3R M HOSS BS Assoc Prof Dist Agr Agt

3R L JOHNSON PhD Prof Coord of Ext Personnel Trng 3MARIELLEN JONES MS Asst Prof Dist Home Econ

Agt

#### KANSAS

3980

# Extension Administration-Continued

3R F KING Jr .:: S Assoc Prof Dist Agr Agt 3VELMA MINICIAUGH MS Asst Prof Dist Home Leon Agt

3EUGENE ROSS PhD Assoc Prof Dist Agr Agt 3MES KATHRYN E SUGHAUE MS Asst Prof Dist Home Econ Act

34CURTIS TRENT PhD Prof Coord of Ext Personnel 3RUTH I WELLS MS Asst Prof Dist Home Econ Agt

Flour and Feed Milling Industries

123W J HOOVER PhD Prof Flour and Feed Milling Indus and Head of Dept Dir Food and Feed Grains

3J L BALDING BS Instr Spec in Util of Formula Feeds 5L C BOLTE BS Milling Technol Hard Winter Wheat Reg Lab

12C W DEYOE PhD Assoc Prof Milling Indus Feed Technol

12E P FARRELL MS Assoc Prof Milling Indus Milling Technol

15K F FINNEY MS Prof Milling Indus Hard Winter Wheat Reg Lab

5A J GEHRT Admin Aid (ARS)

12V E HEADLEY PhD Asst Prof Milling Indus Mill Tech

5R C HOSENEY MS Chem Hard Winter Wheat Reg Lab

12W C HURLEY PhD Asst Prof Milling Indus Milling and Baking 12J A JOHNSON PhD Prof Milling Indus Milling and

Baking 12MAJEL M MACMASTERS PhD Prof Milling Indus

Cereal Chem 12G D MILLER MS Asst Prof Milling Indus Cereal Chem

12H B PFOST PhD Milling Indus Feed Technol 15YESHAJAHU POMERANZ PhD Assoc Prof Milling

Indus Hard Winter Wheat Reg Lab 12R J ROBINSON PhD Res Assoc Milling Indus Cereal

Chem

5GORDON RUBENTHALER MS Cereal Technol Hard Winter Wheat Reg Lab

23R W SCHOEFF PhD Prof Spec in Util of Formula

12J A SHELLENBERGER PhD Dist Prof Flour and Feed Milling Indus

5MERLE SHOGREN MS Cereal Technol Hard Winter Wheat Reg Lab

12A B WARD MS Assoc Prof Milling Indus Milling Technol

Geology and Geography (Col of Arts and Sci)

3985 1J R CHELIKOWSKY PhD Prof Geol and Geog and Head of Dept

12H V BECK PhD Prof Geol 15P C TWISS PhD Assoc Prof Geol

College of Home Economics

12Mrs DORETTA S HOFFMAN PhD Prof Dean of Col Assoc Dir Agr Expt Sta

3990

12RUTH MHOEFLIN PhD Prof Child Devlpmt Assoc Dean of Col

12JESSIE A WARDEN PhD Head of Dept of Clothing and Textiles

12DONICE HAWES PhD Assoc Prof Clothing and Textiles

12ESTHER M CORMANY MS Assoc Prof Clothing and Textiles

12MARJORIE M STITH PhD Prof Head Dept Child

Devlomt 12S R BOLLMAN MS Asst Prof Child Devlpmt 12Mrs IVALEE McCORD PhD Prof Child Devlpmt 12R L D MORSE PhD Prof Head Dept Fam Econ 12A TESSIE AGAN MS Assoc Prof Fam Econ 12Mrs PATTY J ANNIS MS Asst Prof Fam Econ 12LUCILLE WAKEFIELD PhD Prof Head Dept Foods and Nutr

12E BETH ALSUP PhD Assoc Prof Foods and Nutr

College of Home Economics-Continued

12DOROTHY L HARRISON PhD Prof Foods and Nutr 12GWENDOLYN L TINKLIN MS Prof 1 oods and Nutr 12MRS GRACE M SHUGART MS Prof Head Dept Inst Mgt 12Mrs MARJORIE M HEMPHILL MS Asst Prof Inst Mgt 12Mrs RAYMONA H MIDDLETON MS Asst Prof Inst

Horticulture

4000

123R W CAMPBELL PhD Prof Hort and Head of Dept 2ERWIN ABMEYER BS Asst Prof in Chg Northeast Kans Expt Field (PO Wathena)

34W G AMSTEIN MS Prof Ext Hort (India)

3F D ATCHISON BS Instr Dist Ext For (PO Ft. Hays)

3C R BISWELL MS Asst Prof Area Ext For 3G A CADZOW BS Instr Ext For Fire Tr

12W J CARPENTER PhD Prof Flor

3H A DEUTSCH MS Asst Prof Dist Ext For (PO Hutchinson)

3H G GALLAHER MS Prof Asst Head State Ext For 3J C GEISLER BS Instr Area Ext For (PO Parsons)

12W A GEYER MSF Asst Prof For 3L K GOULD BS Instr Ext For Mktg Util

12J K GREIG Jr PhD Assoc Prof Hort Veg Crops

3G W GREY BSF Asst Prof Dist Ext For 2F B HADLE MS Asst Prof Hort in Chg of Hort Farm 12C V HALL PhD Assoc Prof Hort Veg Brdg

23M T JONES MS Instr Area Hort (PO Ulysses)

12R A KEEN PhD Prof Omam Hort

3J E KEPLER MS Asst Prof Dist Ext For

3L D LEUTHOLD MS Instr Ext Hort Flor Orn Hort

12C E LONG MS Instr Ornam Hort

12N W MILES PhD Asst Prof Pom

3F D MORRISON PhD Assoc Prof Ext Hort 3G C NAUGHTON BS Instr Dist Ext For (PO Parsons)

3J J NIGHSWONGER BS Instr Ext Land Arch

12R E ODOM PhD Asst Prof Flor

3C R ROBERTS PhD Assoc Prof Ext Hort

12P L ROTH MS Instr For

3L W SHREVE BS Instr Ext For Fire Control

3J P SLUSHER BSF Instr Tree Distr

3J K STRICKLER BS Instr Asst State For

21 W WINZER MS Asst Prof in Chg Southeast Kansas Expt Field (PO Chetopa)

International Agricultural Programs

4610

13R A BOHANNON PhD Prof Asst Dean 1J W ADAMS DVM Asst Prof Vet Med (Nigeria)

1R C BAUGH DVM Anatomy (Nigeria)

1G E FACKELMAN DVM Path (Nigeria)

IM G FINCHER PhD Prof Vet Med

IJ M HUMBURG DVM Asst Prof Phys (Nigeria)

1V CLARSON EdB Prof Dairy and Poultry Sci and Chief of Party (Nigeria)

1D Z McCORMICK BS Asst Prof Anim Husb

1H J MILLER MS Assoc Prof Arch & Design (India)

1E N MOORE DVM Prof Vet Med (India)\*

IPETER OLAFSON DVM PhD Prof Vet Med (Nigerial)

13W L PRAWL PhD Assoc Prof Ext and Internati Agr Prog

1R M SCHNEIDER MS Asst Prof Agr Eng (Nigeria)

1W H SILL Jr PhD Prof Research (India) 1MARJORIE M STITH PhD Prof Home Sci (India)

1J P SULLIVAN PhD Prof Phys (Nigeria) 1M A THOMPSON MS Administrative Asst (Nigeria) ICURTIS TRENT PhD Prof Ministry Agr Ext (Nigeria)

1A D WEBER PhD Prof Chief of Party and Vice Pres Emeritus Internati Activities (India)

Technical Journalism (Col of Arts and Sci)

4020

1R R LASHBROOK MS Prof of Journalism and Head of Dept

1G R EATON BS Asst Prof Tech Journalism 12E B MACY MS Assoc Prof Tech Journalism

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12J L WEST DVM PhD Prof Poultry Path

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Agronomy-Continued

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3G E CONATSER MS Ext Spec Junior Livestock 12H F MASSEY PhD Prof Soil Chem Act Dept Chmn 5R A ANDERSON PhD Asst Prof (Ad) Series) 2L V CUNDIFF PhD Asst Prof Beef Cattle Res Chem Biochem of Tobacco 3A C DAVIS BS Area Agt Prod 2W O ATKINSON MS Res Spec Tobacco Prod and Mgt 3B T DEAN PhD Asst Ext Prof Area Swine Spec 12H H BAILEY PhD Assoc Prof Soil Classif 120 W DEATON PhD Asst Prof Genet 12R I BARNHISEL PhD Asst Prof Soil Sci 12R H DUTT PhD Prof Physiol of Reprod 2R L BLEVINS MS Res Spec Soil Classif 12T R FREEMAN PhD Prof Dairy Prod 12B J BLOOMFIELD PhD Asst Prof Soil Microbiol 23H A GLIMP PhD Asst Ext Prof Sheep 3S C BOHANAN EdD Assoc Ext Prof Forage Crops 3R C GRAVES MS Area Agt Prod 25C E BORTNER MS Prof Tobacco Prod and Mgt 3R C GRAY Jr PhD Asst Ext Prof Beef Cattle 5R C BUCKNER PhD Assoc Prof (Ad) Series) 3C E HARRIS BSA Ext Spec Prod Grass Brda 123W M INSKO Jr MSA Prof 12D R JACOBSON PhD Prof Nutr 5DONALD BURDICK PhD Asst Prof (Adj Series) Tobacco Chem 3B M JONES Jr PhD Asst Ext Prof Beef Cattle 25P B BURRUS II MS Res Spec Grass Brdg 12J D KEMP PhD Prof Meats 2L P BUSH PhD Asst Prof Plant Phys 3WALLACE KING BS Ext Spec Technol 2J R CALVERT MS Res Spec Tobacco Brdg 12B E LANGLOIS PhD Asst Prof Bact 5AMBER L CHENG PhD Asst Prof (Ad) Series) 12C O LITTLE PhD Assoc Prof Anim Nutr Res Chem Biochem of Tobacco 12D W MACLAURY PhD Prof Genet 3G D CORDER MS Ext Spec Soils
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12C M CLARK MS Assoc Prof Tobacco Mktg
3H W COATS BS Area Agt Rural Areas Devipmt 1W G SURVANT PhD Prof Soil Phys 12N L TAYLOR PhD Prof Legume Brdg 12J E CRISWELL MS Asst Prof Farm Mgt 12T H TAYLOR PhD Assoc Prof Crop Ecol 3CHARLIE DIXON MS Area Agt Rural Areas Devlpmt 12W C TEMPLETON Jr PhD Prof Pasture Mgt 3F M FULLER MED Area Agt Farm Mgt 3W C THOMPSON MS Ext Spec Forage Crops 2J E FUQUA MS Asst Prof Form Mgt

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12G M WHITE PhD Asst Prof Elec Power and Proc

1E R YOUNG MSAE Assoc Prof Form Mach

12J N WALKER PhD Prof Farm Structures

12L H TOWNSEND PhD Prof Dept Chmn 2D L DAHLMAN PhD Prof Insect Physiol 2G L GREENE MS Res Spec Tobacco Insects 12F W KNAPP PhD Assoc Prof Med Vet Ent
3R L MILLER PhD Asst Ext Prof Pesticides 2B C PASS PhD Asst Prof Forage Grass Insects 12J G RODRIGUEZ PhD Prof Fruit Veg Insects 3P. A SCHEIBNER PhD Asst Ext Prof Agr Ent 12RICHARD THURSTON PhD Prof Tob Insects 2H G TILSON MS Dep State Ent Tree Ornam Insects

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3L T LOUDERBACK BS Area Dir Forage 3R A MABRY BS Area Dir Econ 3J M MACKLIN PhD Area Dir

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4210

3Mrs LETTA JASPER BS Ext Spec Mktg and Consum Educ 3Mrs EVELYN H JOHNSON MA Ext Spec Foods and Nutr 1SUSAN A KELLEY MS Instr 1Mrs FERN D LETNES MA Instr Related Art

3ELIZABETH HELTON MS Ext Spec Foods and Nutr

3Mrs GLADYS M LICKERT MS Ext Spec Clothing ILUCILLE MAGRUDER MS Asst Prof Family Relations and Consumer Prob 12ABBY L MARLATT PhD Prof Food and Mktg Res 3MARY H MARSHALL BS Ext Spec in Cloth 2L V PACKETT PhD Assoc Prof Foods Nutr

12Mrs DORIS P PEARCE PhD Asst Prof Child Devlomt 3VANDILLA PRICE MA Ext Spec Resource Devlpmt Mrs JESSIE W RINGO MA Asst Prof Family Living
3KATHRYN G SEBREE MA Ext Spec Home Furnish
12GERTRUDE SKERSKI MS Asst Prof Nutr Res 3FRANCES M STALLARD MA Ext Spec Home Mgt IMrs ROBERTAS TAYLOR MS Asst Prof 2Mrs DORIS A TICHENOR MS Instr Food Technol 3Mrs RACHAEL R WALLACE MS Ext Spec Clothing 2Mrs CLAUDIA E WELLS MS Asst Prof Food Technol IPATRICIA A WALKER MS Instr Child Devlpmt 2Mrs MILDRED WIGHTMAN MS Asst Prof Mktg Res THELEN M WILMORE MS Asst Prof Home Mat and

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2M F TREVETT MS Prof Weeds Blueberries

2CHARLES WOODWARD Tech Veg

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3H A HUNTER MS Ext Assoc Prof Veg Crops

3C N JOHNSON BS Ext Asst Prof Landsc Gard

12AMIHUD KRAMER PhD Prof Hort Proc

123C B LINK PhD Prof Flor
2J D LONG BS Res Asst Veg Crops (at Vet Res Farm Salisbury)

23W A MATTHEWS MS Assoc Prof Veg Crops (at Veg Res Farm Salisbury)

12C W REYNOLDS PhD Prof Veg Crops

23B L ROGERS PhD Assoc Prof Pomol (PO Hancock)

#### Horticulture - Continued

12L E SCOTT PhD Prof Hort Physiol

12J B SHANKS PhD Prof Flor

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13K P SOERGEL MLA Asst Prof Landsc Gard

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4930

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12G F COMBS PhD Prof Poultry Nutr 23R D CREEK PhD Assoc Prof Poultry Nutr

3E F GODFREY PhD Assoc Prof Ext 123N V HELBACKA PhD Assoc Prof Poultry Mktg 3J L NICHOLSON BS Ext Asst Prof Poultry Sci

2Mrs MARY S SHORB PhD Res Prof Poultry Nutr

3M H TAYLOR MS Instr Poultry Ext 12F H WILCOX PhD Assoc Prof Poultry Physiol

# State Inspection Service

4950

1A B HEAGY BS Assoc Prof (State Chem)

4960

Veterinary Science 12T A LADSON VMD Head Prof and Dir of Livestock Sanit Serv

12A C BROWN VMD Asst Prof Vet Sci

12H M DeVOLT BS DVM MS Prof Avian Path

2B C HATZIOLOS DVM DAH Prof Histopath 2R B JOHNSON BA Assoc Prof Physiol

12S B MOHANTY DVM PhD Asst Prof Vet Virology

2I M MOULTHROP DVM Prof Vet Sci

2ELIZABETH J SCHULTZ VMD Asst Prof Mastitis Res

2R B SHILLINGER DVM Assoc Prof Vet Sci

2F K WILLS DVM MS Assoc Prof Vet Sci

#### Schools of Agriculture and Home Economics of Maryland State College, Princess Anne 21853

1College Staff

4970

1J T MILLIAMS EdD Pres (301-651-2200) 1WILLIAM I LYNK PhD Dean of College 1Mrs VIOLET I WOOD Dir of Admissions

#### Agriculture (General and Vocational Education) 4980

1F H SMITH EdD Head of Dept and Prof of Anim Husb and Agr Mech

1C C MARION PhD Prof of Agr Ed and Tch Tr 1J V STRICKLAND MS Assoc Prof Poul and Econ 1M W VAUGHN PhD Prof of Agron and Dairy Tech

# Home Economics

499N

1CECELIA E HUMPHREY EdD Prof and Head of Dept 1ALETHIA A ELPS MS Asst Prof of Cloth 1Mrs GRACE S MORTON MS Assoc Prof of Home Econ Ed and Tch Tr

1Mrs DEVENIA P WALLACE MS Asst Prof Foods

#### MASSACHUSETTS

College of Agriculture, the Agricultural Experiment Station, and the Agricultural Extension Service of the University of Massachusetts, Amberst 01002

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6Other Govt Agency 7Military Leave or Control Service

#### MASSACHUSETTS

Entomology and Plant Pathology-Continued 1JW LEDERLE PhD Pres 34C J GILGUT PhD Prof Ext Plant Path 1J F HANSON PhD Prof Insect Morphol 1237A A SPIELMAN PhD Dean of Agr Dir of Sta Dir of Ext. Serv (Tel Amherst Area Code 413-545-2766) 27F W HOLMES PhD Assoc Prof Shade Tree Path 3J R BEATTIE MS Assoc Dir of Ext Serv (Tel Amherst 12J H LILLY PhD Prof Ent 1D W MACKENZIE MS Instr Gen Ent Area Code 413 545-2715) 1F P JEFFREY MS Assoc Dean of Agr and Dir of 12T M PETERS PhD Asst Prof Gen Ent Stockbridge Sch (Tel Amherst Area Code 413 545-12R A ROHDE PhD Assoc Prof Nematol 123F R SHAW PhD Prof Apic and Med Ent 22221 1MARION E SMITH PhD Assoc Prof Insect Taxon 1237K W JOHNSON BS Treas 1E C MOORE PhD Dean of Grad Sch and Coord of 13H E WAVE PhD Asst Prof Ext Ent and Insect Physiol Res (Tel Amherst Area Code 413 545-2449) 13E H WHEELER PhD Prof Insect Biol Agricultural Administration 5010 Environmental Sciences (Waltham and Amherst) 5075 1237D P ALLAN BA Asst to Dean and Director 23M L BLAISDELL BS Staff Assoc Waltham 02154 (Waltham Field Station PO Waltham Tel Area Code 617 23G E MOTTLA BA Admin Asst 894 3420, 894 3422 or 894 3423) 13H W PERKINS Dir Civil Defense Trg Prog 23J A NAEGELE PhD Head of Dept and Prof Ent 13S D PIERSON Ldr Fallout Shelter Mgt Civil Defense 23P F BOBULA MS Instr Nurserycult Trg Prog 3N W BUTTERFIELD PhD Prof Flor-Plant Physiol 3J F W SCHULZE MS Reg Rural Civil Defense Prog 2F J CAMPBELL BS Asst Prof Plant Brdg Ldr 23C S CHATER MS Asst Prof Ent 3GEORGE VINSKEY MS Rural Civil Defense Ext 27G P FADDOUL DVM MS Prof Vet Sci Spec 2W A FEDER PhD Prof Plant Path 3C W TURNER MS Staff Admin and Campus Coord 7G W FELLOWS AB Asst Prof Vet Sci AID Malawi Africa Contract 3H C FORDHAM BS Instr Flor 3K E BOYDEN BS Agr Credit Spec AID Malawi (PO 23W C GALINAT PhD Assoc Prof Genet Lilongwe Malawi) 23W J GARLAND Instr Ent 34C J GILGUT PhD Chief of Party AID Malawi Africa 2W D MCENROE PhD Asst Prof Invert Physiol Contract (PO Univ of Malawi Limbe Malawi) 2J A SNOW PhD Asst Prof Plant Path 23R E YOUNG MS Prof Plant Brdg 34C H PARSONS MS Prof and Ext Instr AID Malawi (PO Lilongwe Malawi) 34H S VAUGHAN MPA Ext Advisor AID Malawi (PO Amberst 01002 Lilongwe Malawi) (Institute of Agr and Indus Microbiol Amherst Tel Area Code 413 545 2288) 124WARREN LITSKY PhD Commonwealth Prof and Dir Economics (Agr and Food) 5050 Inst of Agr and Indus Microbiol 123J B WYCKOFF PhD Prof Resource Econ and Head 12H B GUNNER PhD Asst Prof Soil Microbiol 2W S MUELLER PhD Assoc Prof Disinfection of Dept 123E W BELL MS Prof Agr Econ 2R W WALKER PhD Asst Prof Bact 13J H BRAGG DBA Asst Prof Agribus 2A A BROWN MS Prof Transport 12J W CALLAHAN MS Asst Prof Agr Econ 3B D CROSSMON DPA Prof Mktg Mgt Spec Food Science and Technology 5080 123W B ESSELEN PhD Commonwealth Head of Dept 13N E ENGEL MS Asst Prof Mktg Econ 13E M BUCK MS Asst Prof Meat Technol 12R A FITZPATRICK MS Assoc Prof Food Econ IN G COURNOYER LLB MBA Asst Prof Restaurant 123J H FOSTER PhD Assoc Prof Resource Econ 23E I FULLER PhD Assoc Prof Prod Econ and Hotel Mgt 13C E ESHBACH MPA MS Assoc Prof Food Mktg Spec 12ELMAR JARVESOO DAgr Asst Prof Agr Econ 13D A EVANS MS Asst Prof Dairy Technol 12DEANE LEE MS Asst Prof Agr Econ 12I S FAGERSON PhD Prof Anal Chem 13T W LEED PhD Prof Mktg Econ 12F J FRANCIS PhD Prof Biochem and Plant Chem 13D R MARION MS Asst Prof Mktg Econ Nicolas Appert Prof of Food Technol 13L D RHOADES BS Assoc Prof Farm Mgt Spec 12SARGENT RUSSELL PhD Assoc Prof Agr Statis 123D J HANKINSON PhD Prof Dairy Technol 13K M HAYES MS Prof Food Technol 1H G SPINDLER MBA Asst Prof Acct 12H O HULTIN PhD Assoc Prof Enzymol
12W M HUNTING PhD Asst Prof Angl Chem 12D A STOREY PhD Assoc Prof Mktg Econ 12R E LEVIN PhD Asst Prof Microbiol 12A S LEVINE PhD Prof Food Technol Engineering (Agr) 3R F LUKOWSKI MBA Ext Spec Restaurant and Hotel 123J T CLAYTON PhD (PE) Prof Environ Engin and Mat Head of Dept 1D E LUNDBERG PhD Prof in Chg Restaurant and 23W H COLLINS MS Asst Prof Farmstead Engin Hotel Mgt 3G A FITZGERALD MS (PE) Prof Food Engin 12W W NAWAR PhD Assoc Prof Biochem 13F E POTTER PhD Assoc Prof Dairy Technol 12S W FLETCHER III MS Instr Food Engin 12F M SAWYER PhD Assoc Prof Biochem and Nutr 12C R STUMBO PhD Prof Microbiol 13C A JOHNSON MS (PE) Assoc Prof Util and Equip 12E A JOHNSON MS Asst Prof Agr Power 13R G LIGHT MS Assoc Prof Farmstead Engin 13A L WRISLEY Jr MA Asst Prof Restaurant and Hotel 12E S PIRA MS Asst Prof Util Mort 123L F WHITNEY PhD (PE) Assoc Prof Mach Design 123J W ZAHRADNIK PhD (PE) Prof Food Engin

# Entomology and Plant Pathology

5070

Forestry and Wildlife Management

123A D RHODES MF Head of Dept
12H G ABBOTT MF Assoc Prof for Prot and Silvic

3C A CARLOZZI PhD Assoc Prof Resource Plan

12EMMETT BENNETT PhD Prof Wood Chem

12R B BRANDER PhD Asst Prof Wildlife Biol

12C F COLE PhD Assoc Prof Fisheries Biol

123H B GATSLICK PhD Prof Wood Technol

123R S BOND MF Asst Prof Resource Econ

5090

1237M A MCKENZIE PhD Prof and Dir Shade Tree Lab and Acting Head of Dept 12G N AGRIOS PhD Asst Prof Fruit Path

Environ Engin

12W M BANFIELD PhD Assoc Prof For Path 2W B BECKER PhD Assoc Prof For Ent

76

12

Forestry and Wildlife Management-Continued

12FREDERICK GREELEY PhD Assoc Prof Wildlife Biol 12R B HOADLEY DF Asst Prof Wood Technol

123W P MACCONNELL MF Prof For Mot

12D L MADER PhD Assoc Prof For Soils and Ecol

12J C MAWSON MF Instr For Mensuration

6J A MCCANN PhD Ldr of Mass Coop Fishery Unit USDI and Adjunct Assoc Prof Fisheries Biol

3J H NOYES MF Prof For Mgt 5R J REED PhD Asst Leader Mass Coop Fishery Unit USDI and Adjunct Assoc Prof Fisheries Biol

3A J W SCHEFFEY PhD Assoc Prof Resource Policy 6W G SHELDON PhD Ldr of Mass Coop Wildlife Res

Unit USDI and Adjunct Prof Wildlife Biol 6B C WENTWORTH PhD Anim Physiol Mass Coop Wildlife Res Unit USDI and Adjunct Asst Prof Wildlife Biol

6D K WETHERBEE PhD Res Biol Mass Coop Wildlife Res Unit USDI and Adjunct Assoc Prof Wildlife

4-H Club 5100

3M L HOWES PhD Head of Ext Div of 4-H and Youth Prog 3M W BOSS MEd Assoc Prof 3MILDRED L HOWELL MA Assoc Prof

3W W METCALFE PhD Asst Prof

Home Economics (Extension)

5110

13MARION A NIEDERPRUEM PhD (Dean of Sch of Home Econ)

3WINIFRED I EASTWOOD MA Prof and Head of Ext Div of Home Econ

13J D EURROUGHS MS Prof Human Relat 3VERDA M DALE MS Prof Home Mgt

13VIRGINIA DAVIS MS Assoc Prof Clothing 3BARBARA HIGGINS MS Prof Fam Econ

3Mrs ROSA S JOHNSTON MA Assoc Prof Home Furnishings

13E K KNAPP MS Asst Prof Fam Econ 13MARJORIE M MERCHANT MS Assoc Prof Consum Educ

3HARRIET J WRIGHT MS Assoc Prof Foods and Nutr

Landscape Architecture

5115

5120

13E H ZUBE MLA Head of Dept 1T S BACON Jr MCP Assoc Prof IWALTER CUDNOHUFSKY MLA Asst Prof IJULIUS FABOS MLA Instr 1T S HAMIL TON Jr MS Asst Prof IC P KANTIANIS M Arch Asst Prof

1R L KENT Jr MLA Asst Prof 1G S KING MS Prof Arboricul

13H E MOSHER MLA Assoc Prof

1R H OTTO MLA Prof 1P N PROCOPIO MS Prof

1J H SPENCER B Arch Visiting Lect 1E D WHITNEY BS Instr

Plant and Soil Sciences

123F W SOUTHWICK PhD Head of Dept

12J F ANDERSON MS Instr Pomol

12J H BAKER PhD Assoc Prof Soil Chem 12A V BARKER PhD Asst Prof Plant Physiol and Soil Chem

12A W BOICOURT MS Prof Flor

12W J BRAMLAGE PhD Asst Prof Plant Physiol 123W G COLBY PhD Prof Forage Crops 12MACK DRAKE PhD Prof Plant Chem

1G B GODDARD PhD Asst Prof Plant Physiol 123J R HAVIS PhD Prof Plant Physiol

12W H LACHMAN MS Prof Plant Brdg

123W J LORD PhD Assoc Prof Pomol

12H V MARSH Jr PhD Asst Prof Biochem
12D N MAYNARD PhD Asst Prof Plant Physiol

12L F MICHELSON PhD Asst Prof Plant Nutr

Plant and Soil Sciences - Continued

12W A ROSENAU PhD Asst Prof Flor 123R A SOUTHWICK MS Asst Prof Plant Genet 13C L THOMSON MS Prof Veg Crops 123JOSEPH TROLL PhD Assoc Prof Turf Path 13A P TUTTLE MS Asst Prof Hort 123JONAS VENGRIS DAgr Sci Assoc Prof Plant

Toxical 12B P WARKENTIN PhD Assoc Prof Soil Phys 13M E WEEKS PhD Prof Soil and Crop Spec 12W D WEEKS PhD Assoc Prof Pomol 123H M YEGIAN MS Asst Prof Plant Genet

12J M ZAK MS Asst Prof Soil Chem

Regulatory Services (Feed Fertilizer Dairy Laws Seed Laboratory)

7J W KUZMESKI BS Prof in Charge

7R M CHECK BS Instr Feed and Fert

7C H EIBEN MS Asst Prof Seed Control 7MRS GEORGIA P FRENCH MS Instr Feed and Fert

7BERTRAM GERSTEN MS Asst Prof Feed and Fert 7W C LINCOLN JR BS Instr Seed Control

7W N RICE PhD Assoc Prof and Dir of Seed Lab 7C T SMITH MS Assoc Prof Feed and Fert

7E F VLACH Asst Chem Feed and Fert

Substations (See also Environmental Sciences Waltham) 5165

Cranberry Sta PO East Wareham 02538 (Tel E Wareham Area code 617 CY 5-2212)

23C E CROSS PhD Head of Dept

23I E DEMORANVILLE MS Asst Prof Agron (Weed Control)

23R M DEVLIN PhD Asst Prof Plant Physiol

2C W MILLER PhD Asst Prof Sta Biochem 23J S NORTON MS Assoc Prof Agr Engin

23W E TOMLINSON MS Prof Ent

2B M ZUCKERMAN PhD Prof Plant Path

Veterinary and Animal Sciences

123T W FOX PhD Head of Dept

123D L ANDERSON PhD Assoc Prof Nutr 2K M ANDERSON BA Staff Asst Vet Microbiol

12D L BLACK PhD Assoc Prof Physiol 123W G BLACK PhD Prof Physiol

13ANTHONY BORTON PhD Asst Prof Physiol 3B E COLBY MS Prof Livestock Spec

7L V CROWLEY BS Asst Chem Vet Microbiol 12R A DAMON JR PhD Prof Biometrics Vet and An Sci

and Dept Statis (Coll of Arts and Sci) 13J W DENISON MS Instr Mktg and Mgt

3F N DICKINSON PhD Asst Prof Dairy Spec 2HEINRICH FENNER PhD Asst Prof Nutr

12R C FOLEY PhD Prof Physiol

123S N GAUNT PhD Prof Genet 13R M GROVER MS Assoc Prof Poultry Spec

37 W K HARRIS DVM Prof Vet Microbiol 12B L HILTON BS Supt of Farms

123S J LYFORD Jr MS Asst Prof Nutr 1JUDITH A MACKEEN Staff Asst Vet Sci

2PEGGY A MCCONNELL MS Instr Physiol 2J W MCDANIEL MS Instr Anim Physiol

12W J MELLEN PhD Prof Avian Physiol 7BARBARA A MITCHELL BS Staff Asst Mastitis

Contr

27OLGA M OLESIUK MS Asst Prof Microbiol 27IONA M REYNOLDS MS Instr Microbiol 2MARTIN SEVOIAN VMD MS Prof Path

127R E SMITH VMD Prof Clin Path 7C F SMYSER Jr MS Asst Prof Microbiol 12J R SMYTH Jr PhD Prof Avian Genet

237G H SNOEYENBOS DVM Prof Vet Sci 3D N STERN VMD Prof Ext Vet

5170

5190-5230 MICHIGAN

#### MICHIGAN

The College of Agriculture, the Agricultural Experiment Station, the Cooperative Extension Service, the Colleges of Education (Agr), Home Economics, Natural Science (Bot & Plant Path, Enty), Social Science (Social), Veterinary Medicine, of Michigan State University, East Lansing

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6Coop AEC 7Misc

5190

IJ A HANNAH BS DAGT LLD HHD Pres

1T K COWDEN PhD Dean of Col of Agr (Tel Code 517-355-0232)

IR M SWENSON PhD Asst Dean of Col of Agr and Dir of Res Instr (Tel Code 517-355-0236)

2S H WITTWER PhD Asst Dean of Col of Agr and Dir of Expt Sta (Tel Code 517-355-0123)

2L M TURK PnD Prof and Assoc Dir of Expt Sta (Tel Code 517-355-0123)

34N P RALSTON PhD Asst Dean of Col of Agr and Dir of Ext Serv (Tel Code 517-355-2308) 3G S MCINTYRE BS Prof and Acting Dir of Ext Serv

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123P J MAY BBA Vice Pres for Bus and Finance - Treas IM E MUELDER PhD Vice Pres for Res Devlpmt and Advanced Grad Studies

Animal Husbandry

5200

5210

14R H NELSON PhD Prof and Chmn of Dept Anim Brda

12J A HOEFER Pr.D Prof and Actg Ch.mn of Dept Swine Nutr

13L H BLAKESLEE PhD Assoc Prof Sheep Nutr

123G L BLANK MS Prof Sheep 2L J BRATZLER MS Prof Meats

4R J DEANS PhD Assoc Prof Meats

3W L FINLEY BS Asst Prof Beef Cattle 1B H GOOD MS Prof and Supt of Farm

123H E HENDERSON PhD Prof Beef Cattle Physiol

1H A HENNEMAN PhD Prof Anim Hust Physiol

12W T MAGEE PhD Prof Anim Brdg

12R A MERKEL PhD Assoc Prof Meats

13E C MILLER Jr MS Prof Swine

12E R MILLER PhD Prof Anim Nutr

2J E NELLOR PhD Prof Anim Physiol

12H W NEWLAND PhD Assoc Prof Beef Cattle Nutr

IH D RITCHIE PhD Asst Prof Livestock Nutr

12D E ULLREY PhD Assoc Prof Anim Nutr

# Bacteriology and Hygiene-See Veterinary Medicine

Biachemistry (Agr Natural Sci and Human Med)

12R G HANSEN PhD Prof and Chmn of Dept 12R L ANDERSON PhD Assoc Prof

2SELMA L BANDEMER PhD Assoc Prof

12E J BENNE PhD Prof 12L L BIEBER PhD Asst Prof

12J A BOEZI PhD Asst Prof

1R U BYERRUM PhD Prof

12W C DEAL Jr PhD Assoc Prof

2R J EVANS PhD Prof

12J L FAIRLEY Jr PhD Prof

16PHILIP FILNER PhD Asst Prof

12J F HOLLAND MS Instr

12PAUL KINDEL PhD Asst Prof

12H A LILLEVIK PhD Assoc Prof

2R W LUECKE PhD Prof 12A J MOR.: IS PhD Asst Prof

12F M ROTTMAN PhD Asst Prof 12H M SELL PhD Prof

12J C SPECK Jr PhD Prof

12C H SUELTER PhD Assoc Prof

Biochemistry (Agr Natural Sci and Human Med) - Continued

12N E TOLBERT PhD Prof 16J E VARNER PhD Prof

12W W WELLS PhD Prof 12W A WOOD PhD Prof

12B K ZIMMERMAN PhD Asst Prof Phys Biochem

Botany and Plant Pathalogy (Natural Sci) 5220

12W B DREW PhD Prof and Chmn of Dept Econ Bot Plant Ecol

1R S BANDURSKI PhD Prof Plant Biochem Enzym

Physiol

12E H BARNES PhD Assoc Prof Plant Path

1J H BEAMAN PhD Assoc Prof Taxon Vasc Plants

1H C BEESKOW PhD Assoc Prof Plant Physiol

1E SBENEKE PhD Prof Mycol Med Mycol

1E C CANTINO PhD Prof Morphogen Plant Biochem Mycol

1J E CANTLON PhD Prof Plant Ecol

12DONALD CATION MS Assoc Prof Plant Path Fruit Virus

1AUREAL CROSS PhD Prof Palynol

12D J deZEEUW PhD Prof Plant Path

12A H ELLINGBOE PhD Assoc Prof Plant Path Genet of Fungi

14J C ELLIOTT PhD Assoc Prof Plant Ecol

1W G FIELD PhD Asst Prof Mycol

12N E GOOD PhD Prof Plant Biochem Physiol

123J H HART PhD Asst Prof Plant Path (For & Shade Tree Dis)

12W J HOOKER PhD Prof Plant Virol Plant Path 1E A HORENSTEIN PhD Inst Morphogen

1H A IMSHAUG PhD Assoc Prof Mycol Taxon of

Lichens 16H J KENDE PhD Prof Plant Res Lab Plant Physiol

Growtn Subs 2ALEKSANDER KIVII.AAN PhD Asst Prof Plant Physic!

123E J KLOS FuD Assoc Prof Plant Path

1 I W KNOBLOCH PhD Prof Taxon Cytol of Fems

2M L LACY PhD Asst Prof Plant Path

16 ANTON LANG DrNAT SCI Prof Dir Plant Res Lab Plant Physiol

12J L LOCKWOOD PhD Assoc Prof Plant Path Ecol Soil Microfl

1L W MERICLE PhD Prof Radiation Bot Genet Devloat Higher Plants

12J M MOCKAITIS PhD Asst Prof Plant Physiol 25D L MUMFORD PhD Asst Prof Plant Path

2H H MURAKISHI PhD Prof Plant Virol Path

IC J POLLARD PHD Asst Prof Plant Biochem Physiol

23H S POTTER PhD Assoc Prof Plant Path 1G W PRESCOTT PhD Prof Phycol

25A W SAETTLER PhD Asst Prof Plant Path (sact dis ceans)

12R P SCHEFFER PhD Prof Plant Path (host parasite relat)

3N A SMITH PhD Assoc Prof Plant Path

IS N STEPHENSON PhD Asst Prof Plant Ecol 1G B WILSON PhD Prof Cytol Cytogenet

16L G WILSON PhD Assoc Prof Asst Dir Plant Res Lab Plant Physiol

1P C WOLK PhD Asst Prof Plant Biochem Physiol of Alage

16J A D ZEEVAART PhD Assoc Prof Plant Res Lab Plant Physiol

Crop Science 5230

1K T PAYNE PhD Prof and Chmn of Dept Plant Brd.

12M W ADAMS PhD Prof Plant Brdg and Genet

125A V BARKER PhD Asst Prof Plant Physiol 12J B BEARD PhD Asst Prof Environ Phys and Turf

23R W CHASE PhD Asst Prof Plant Phys

1B R CHURCHILL MS Assoc Prof Crop Prod

2C E CRESS PnD Asst Prof Plant Sci Statistician
12S T DEXTER PhD Prof Biophys Chem of Crops

12F C ELLIOTT PhD Prof Plant Brdg and Genet

3M H ERDMANN PaD Prof Crop Prod

MICHIGAN 5230-5270

Economics (Agr) - Continued Crop Science-Continued 5JOHN HOSTETLER MS Agr Econ Land Econ 12E H EVERSON PhD Prof Plant Brdg and Genet 3A E HOUSE PhD Asst Pro: Public Pol 12J E GRAFIUS PhD Prof Plant Brdg and Genet 12G L JOHNSON PhD Prof Prod Econ Farm Mgmt
13M P KELSEY PhD Assoc Prof Farm Credit & Mgmt 12C M HARRISON PhD Prof Crop Prod 3S C HILDEBRAND MS Asst Prof Crop Prod 13L R KYLE PhD Prof Farm Mgmt Crop Syst & 125G J HOGABOAM PhD Agron-Asst Prof (Plant Brdg and Cost Studies Genet) Collab 5R S LANIER MS Agr Econ Land Econ 2H L KOHLS MS Asst Prof Crop Prod 123HE LARZELERE PhD Assoc Prof Egg and Poult Mktg 123W F MEGGITT PhD Prof Phys and Weed Control 23GLYNN MCBRIDE PhD Assoc Prof Dairy Mktg 3L V NELSON MS Prof Crop Prod 125C R OLIEN PhD Agron-Asst Prof (Cereal Invest) 13Mrs ANITA MCMILLAN PLD Asst Prof Consum Mktg 12L V MANDERSCHEID PhD Assoc Prof Price Anal Collab 13ARTHUR MAUCH PhD Prof Public Pol 23D J REID PhD Asst Prof Crop Prod 5W T MILLER BS Agr Econ Land Econ 12E C ROSSMAN PhD Prof Plant Brdg and Genet 5W D PURCELL MS Agr Econ Mktg 125D H SMITH PhD Asst Prof Res Genet (Cereal Leaf 2D J RICKS PhD Asst Prof Mkt & Price Anal
12H M RILEY PhD Prof Mktg Livestock Econ Devlpmt Beetle Invest) 125F # SNYDER PhD Plant Physiol-Asst Prof (Sugar 5CARMAN SANDRETTO MS Agr Econ Lana and Plant Invest) Collab Water Res 12M B TESAR PLD Prof Pasture & Forage Crops 12A A SCHMID PhD Assoc Prof Land Econ Politic Econ 12N R THOMPSON PnD Prof Plant Brdg and Genet 12J D SHAFFER PhD Prof Mktg Consum Behavior 12V L SORENSON PhD Prof Agr Bus Mgt 2G F WENNER BS Asst Prof Foundation Seed 2R D STEVENS PhD Assoc Prof Internatl Trade Econ of Agr Devlpmt 5240 Dairy 5S H STIPE MS Agr Econ Lana Econ 1C A LASSITER PhD Prof and Chmn of Dept Nutr 3D W STURT PhD Assoc Prof Farm Labor Mgmt 1D V ARMSTRONG MS Dairy Farm Mgr 3W A TINSLEY PhD Asst Prof Farm Mgmt 23L J BOYD PhD Assoc Prof Physiol 4H 12ORION ULREY PhD Assoc Prof Coop Bus & 2D 3 BRAUND MS Res Instr Rural Develop 2CLAUDE DESJARDINS MS Res Instr Physiol 1W H VINCENT PhD Prof Farm Mgmt 12R S EMERY PhD Assoc Prof Nutr 12L W WITT PhD Prof Internatl Trade 3G P WOOD PhD Prof Pub Pol Latin Amer Studies 12J L GILL PhD Assoc Prof Statis Genet 12H D HAFS PhD Assoc Prof Physiol 12K T WRIGHT PhD Prof Cost Studies 23DONALD HILLMAN PhD Assoc Prof Nutr 3MARY D ZEHNER MS Instr Consum Mktg 234L A JOHNSON PhD Assoc Prof Records 23C J LITTLE MS Asst Prof and Supt Upper Peninsula Expt Sta (PO Chatham) Nutr 5260 Education (Col of) 12L D McGILLIARD PhD Prof Brdg IW B HAWLEY MA Prof and Asst Dean 23C E MEADOWS PhD Prof Brag 1C H GROSS PhD Prof and Chmn Dept of Secon Educ 23D L MURRAY MS Prof Samit and Curriculum 2MAX PAAPE MS Res Instr Physiol 1LAWRENCE BOROSAGE PhD Prof Indus Educ 12W W SNYDER MS Prof Mgt 1H M BYRAM PhD Prof Agr Educ 1R M CLARK EdD Prof Agr Educ 23J A SPEICHER PhD Asst Prof N'gt 12W J THOMAS PhD Prof Nutr 12H A TUCKER PhD Asst Prof Physiol 1BEVERLY CRABTREE PhD Asst Prof Home Econ 3M A WILSON BS Field Dymn Records Educ 1E T FERGUSON MA Instr Bus Educ 14G W FERNS PhD Assoc Prof Indus Educ IR A GARNER PhD Asst Prof Agr Educ 5250 Economics (Agr) IPETER HAINES PhD Prof Bus Educ 1L L BOGER PhD Prof and Chmn of Dept 1Mrs SALLY A KEMP MA Instr Home Econ Educ 5H G BODENHAMER MS Agr Econ Mktg 10 D MEADERS EdD Asst Prof Agr Educ 12J T BONNEN PhD Prof Agr Mktg Pub Pol 1Mrs BEATRICE O'DONNELL PhD Assoc Prof 5R F BOXLEY MS Agr Econ Land Econ 13D H BOYNE PnD Assoc Prof Agr Price Anal 2J R BRAKE PnD Assoc Prof Farm Mgmt Home Econ Educ 1TWYLA SHEAR PhD Asst Prof Home Econ Educ 1JACOB STERN PhD Assoc Prof Indus Educ 3L H BROWN PhD Prof Farm Mgmt 1H P SWEANY PhD Prof Agr Educ 1G E TIMMONS EdD Prof Agr Educ 5D 3 CARVEY BS Agr Econ Res Econ 23D L COLE PnD Asst Prof Ayr Mktg 1ELAINE 7 UTHE PhD Asst Prof Bus & Distributive **2**L J CONNER Pl.D Asst Prof Farm Mgt Educ 5M L COTNER MS Agr Econ Res Econ 1META VOSSBRINK PhD Assoc Prof Home Econ Educ 13G K DIKE PhD Assoc Prof Grain Mktg 3J C DONETH MS Prof Farm Mgmt 5JS DREW MS Agr Econ Pest Res Engineering (Agr) 5R D DUNLAP PhD Agr Econ Land Econ 1C W HALL PhD Prof and Chmn of Dept Proc & Dry 5R D DUVICK MS Agr Econ Res Econ 1C F ALBRECHT MA Assoc Prof Agr Mech Coord 12C K EICHER PnD Assoc Prof Internatl Trade Econ 12F W BAKKER-ARKEMA PhD Asst Prof Proc & Dry Aur Dylp 12W G BICKERT PhD Asst Prof Elec Power & Proc 1R H BITTNER PhD Asst Prof Farm Equip Serv & 3E M ELWOOD MS Asst Prof Farm Mgmt 23R E FELTNER PnD Asst Prof Mktg and Prices

13J N FERRIS PhD Assoc Prof Outlook and Prices

3F T HARTWIG MS Asst Prof (PO Marquette)

2M L HAYENGA MS Asst Prof Agr Mktg

3F E HEPP PhD Asst Prof Farm Mgt

12R L GUSTAFSON PhD Assoc Prof Agr Econometrics

12D E HATHAWAY DPA Prof Public Pol Econ Devlpmt

12 R G HEIFNER PhD Asst Prof Grain Mktg Price Anal

3J L HERVEY PhD Asst Prof Farm Labor Mgmt
2C R HOGLUND MS Prof Farm Mgmt Forage Econ
5J E HORSFIELD BS Agr Econ Water Res

23W S GREIG PhD Assoc Prof Mktg

Farm Manit

123W O CARVER MS Draftsman
5R G DIENER PhD Asst Prof Head Fruit & Veg
Harv Invest
3C M EDWARDS MS Assoc Prof Home Engin
12M L ESMAY PhD Prof Struct
1A W FARRALL DEng Prof Proc
12C M HANSEN MA Assoc Prof Power & Mach

3LESTER BOLLWAHN PhD Coord Rural Defense

12F H BUELOW PhD Prof Elec Power & Proc

4B F CARGILL PhD Asst Prof Struct

Sales Coord

123J S BOYD PhD Prof Struct

#### MICHIGAN

Engineering (Agr)- Continued
2J B HARRINGTON Jr PhD Assoc Prof Micromet
2D R HELDMAN MS Asst Prof Proc
12E H KIDDER MS Prof Soil & Water
5J H LEVIN MS Fruit & Veg Harv Invest Entire USA
3L A MACK Asst Coord Rural Def Ed
12C J MACKSON PhD Assoc Prof Power & Mach
3R L MADDEX MS Prof Proc Dry & Struct
12H F MCCOLLY MS Prof Power & Mach
13N F MEADOR MS Instr Struct
3DAVID NORMAN MS Migr Hsg
5REPARKERMS AgrEngin
12SVERKER PERSSON PhD Assoc Prof Power & Mach
3R G PFISTER PhD Asst Prof Safety
3C K SPILLMAN MS Instr Struct
3V L STINE BS Coord Rural Def
12B A STOUT PhD Prof Power & Mach
3TRUMAN SURBROOK BS Instr Elec Power
5BR TENNES BS Fruit and Veg Mach
123R Z WHEATON MS Instr Soil & Water Irrig
3R G WHITE MS Assoc Prof Power & Mach
1JACK WILSON MS Inst Power & Mach
5R J WOLTHUIS BS Engin Aid

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24R F RUPPEL PhD Assoc Prof Field Crops Insects 25J A SCHILLINGER PhD Asst Prof Host Plant Resist 1F W STEHR PhD Asst Prof Insect Ecol 3W E WALLNER PhD Asst Prof Ornam Household 3P H WOOLEY PhD Prof Fruit Pest Coord

Extension 5290 ADMINISTRATION 34N P RALSTON PhD Prof and Asst Dean Col of Agr

and Dir Ext 3G S MCINTYRE BS Prof & Acting Dir Ext

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3D A CAUL PhD Assoc Prof & Ext Prog Ldr Agr (4-H Youth Prog)

3G L BECKSTRAND PhD Prof and Dir 4-H Youth Prog

3D A DYER PhD Asst Prot Prog Ldr 4-H Youth Prog 3A M PETERSON MA Assoc Prof Prog Ldr 4-H Youth Prog

34W E TEDRICK MA Prog Ldr 4-H Youth Prog 3M AMALIE VASOLD MA Asst Prof Prog Ldr 4-H Youth Prog

3J T WATERSON MS Prog Ldr 4-H Youth Prog 3MARY JE WOODWARD MA Asst Prof and Prog Ldr 4-H Youth Prog

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Extension-Continued

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34DORIS E WETTERS MS Asst Prof Prog Ldr Family Living Educ

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34F J PEABODY MS

INST FOR EXT PERS DEV 123M E MILLER PhD Asst Prof Dir Inst for Ext Pers Devlpmt

Food Science

5310

12B S SCHWEIGERT PhD Prof and Chmn of Dept Biochem & Nutr meat prod 12C L BEDFORD PhD Prof Fruit & Veg Prod 12G A BORGSTROM PhD Prof Fruit Veg & Fish Prod 12L J BRATZLER MS Prof Meat Prod

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12L G HARMON PhD Prof Dairy Prod 12T I HEDRICK PhD Prof Dairy Prod

12J M JENSEN MS Assoc Prof Dairy Prod 12R V LECHOWICH PhD Assoc Prof Food Microbiol

12PERICLES MARKAKIS PhD Assoc Prof Fruit & Veg Prod

12R A MERKEL PhD Assoc Prof Meat Prod 12R C NICHOLAS PhD Assoc Prof Food Engin 12A M PEARSON PhD Prof Meat Prod 121 J PFLUG PhD Prof Food Engin
23J F PRICE PhD Asst Prof Meat & Poult Prod
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5340

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5350

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3JEAN E SCHUBEL MA Instr Cloth and Text

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1Mrs STEPHANIA B WINKLER MA Asst Prof Cloth and

Text

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2R F CARLSON PhD Assoc Prof Pomol (Rootstocks)

12R L CAROLUS PhD Prof Nutr and Water Rel Physiol
(Vea)

23W H CARLSON PhD Asst Prof Plant Physiol (Flor)
123HAROLD DAVIDSON PhD Assoc Prof Plant Physiol
(Landsc Hort)

123A A DEHERTOGH PhD Asst Prof Biochem and Post Harv Physiol (Flor)

123D H DEWEY PhD Prof Post Harv Physiol (Pomol)
123D R DILLEY PhD Assoc Prof Post Harv Physiol
(Pomol)

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12D A DUNBAR MA Instr Flor

1FRED FREEMAN PhD Asst Prof Curator Hidden Lake Gardens (PO Tipton)

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23JEROME HULL Jr PhD Assoc Prof Pomol
2STANLEY JOHNSTON MS Prof and Supt South Haven
Expt Sta (PO South Haven) Genet and Plant Brdg
(Pomol)

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1H W KEPPELER MS Instr Flor 1G M KESSLER PhD Asst Prof Pomol

1G M KESSLER PhD Asst Prof Pomol 23R P LARSEN PhD Prof Pomol

1C E LEWIS MS Prof Landsc Hort

12R S LINDSTROM PhD Assoc Prof Plant Physiol (Flor)

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12R A MECKLENBURG PhD Asst Prof Plant Physiol (Landsc Hort)

123A E MITCHELL PhD Prof Plant Physiol Pest Control (Pomol)

12J E MOULTON PhD Assoc Prof Genet and Plant Brdg (Pamol)

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12S H WITTWER PhD Prof Plant Physiol (Veg)

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5365

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## Natural Resoures - Continued

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1G A PETRIDES PhD Prof and Zool Ecol Zool 1MD PIRNIE PhD Prof and Zool Omithol Biol

1E W ROELOFS PhD Assoc Prof Ecol Biol

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1A J PANSHIN PhD Prof and Chmn of Dept Wood Technol

12E A BEHR PhD Assoc Prof Wood Preserv 2M R HAROLD MS Instr Wood Util

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12A W SLIKER PhD Assoc Prof Bldg Constr & Wood Technol

12OTTO SUCHSLAND PhD Assoc Prof Wood Technol 1A E WYLIE PhD Prof Wood Technol (School of Packaging)

1A J PANSHIN PnD Proj and Dir Wood Techn

2HC BLAKE MS Res Assoc Packaging
1J W GOFF PhD Prof Packaging

2J R HENDEE BS Instr (Res) Packaging

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12H J RAPHAEL PhD Assoc Prof Packaging

12L M JAMES PhD Prof and Actg Chmn of Dept For Econ 3L E BELL MS Prof For Ext

12J N BRIGHT BS For Fred Russ Forest (PO Decatur) 4W I BULL BSF Assoc Prof and Supt of Nurseries

II. A CARTER MS Asst Prof For Fire Protec

12M W DAY MS Asst Prof and Supt Dunbar Forest (PO Sault Ste Marie)

12D J GERRARD MS Instr For Msurmts
1R K HUDSON PhD Asst Pmf Silvic

12WALTER LEMMIEN MS For W K Kellogg For (PO Augusta)

12V J RUDOLPH DF Prof For Mgmt

12GERHARDT SCHNEIDER PhD Asst Prof For Ecol

3R E SKOG MF Assoc Prof (PO Marquette) For Ext

12D P WHITE PhD Prof For Soils & Hydrol 12J W WRIGHT PhD Prof For Genet

#### RESOURCE DEVELOPMENT

Devlomt

1RALEIGH BARLOWE PhD Prof and Chmn of Dept 12MICHAEL CHUBB MS Instr Park Admin

3G P GRAFF PhD Asst Prof Soil and Water Conserv

3R G HILL MS Prof Soil and Water Conserv

12C R HUMPHRYS PhD Prof Water Resource Devlpmt

13W J KIMBALL PhD Prof Area Devlpmt 2W F MUSGRAVE MS Lect Regional Anal

12M H STEINMUELLER PhD Assoc Prof Area Devlomt

13L F TWARDZIK ReM Assoc Prof Park Admin 3E T G M VANNIEROP PhD Asst Prof Watershed

5370

1H C ZINDEL EdD Prof and Chmn of Dept Mgmt 2R J AULERICH MS Tech Mink Nutr

2T L BARTON MS Tech Nutr

12L R CHAMPION PhD Prof Genet

12T H COLEMAN PhD Prof Genet and Mamt

12J A DAVIDSON BS Prof Proc and Mamt

5Mrs EFFIE M DENNINGTON BS Microbiol

3Mrs MARY A DUKE BS Tech Avion Physiol

5R B EWING BSA AND BS Biolog Illus 5Mrs JEAN A FAY BS Tech Biolog Lab

3C J FLEGAL PhD Asst Prof Avian Nutr 5W L HOLMES BS Tech Biol Lab

2S J HULKONEN Tech Gen

5R N LeNEIL Illus Med

5A M LUCAS PhD Prof Avian Anat

2Mrs SANDRA L PANGBORN Tech Avian Physiol

Poultry Science-Continued

124R K RINGER PhD Prof Avian Physiol

12P J SCHAIBLE PhD Prof Nutr

7G B SCOTT BS Exec Sec Mich Allied Poult Indus

3C C SHEPPARD PhD Assoc Prof Momt

5P R STETTENHEIM PhD Asst Prof Avign Angt

31 H WOLFORD PhD Asst Prof Avion Physiol

Radio

IR K ARNOLD BA Form Ed WKAR Am and WKAR FM Radio-WMSR TV

IR D ESTELL BA Mar WKAR AM and WKAR FM Radio IMARY JANE MILTGEN BA Women's Ed WKAR AM and WKAR FM Badio

Short Courses

5400

E300

1H J ECKER PhD Prof Agr Econ Feed & Grain Mkta

1D H SHEPARD MS Asst Prof Anim Husb

Seciology (Social Sci)

5410

1W H FORM PhD Prof(Res) and Chmn of Dept Soc Integr

1J W ARTIS PhD Prof Organ Methodol

12J A BEEGLE PhD Prof Pop Change

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1W J CHAMBLISS PhD Assoc Prof Deviancy

12H M CHOLDIN PhD Asst Prof Demography

1T L CONNER PhD Asst Prof Exptl Sociol

1W A FAUNCE PhD Prof Soc Psychol 14W E FREEMAN PhD Prof Soc Organ

1D L GIBSON PhD Prof Res Methods

1J T GULLAHORN PhD Prof Methodol

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1J C HOWELL PhD Assoc Prof Soc Organ

12J R HUNDLEY Jr PhD Asst Prof Soc Organ

12H H KARP MA Asst Prof Soc Organ

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1J B MCKEE PhD Prof Polit Social

12D E MORRISON PhD Asst Prof Methodol

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1E A SCHULER PhD Prof Soc Psychol 12CHRISTOPHER SOWER PhD Prof Organ Theory

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1JOHN USEEM PhD Prof Cross-Cult Rel

1Mrs RUTH H USEEM PhD Prof Cross-Cult Rel 12F B WAISANEN PhD Assoc Prof Soc Psychol

1HARRY WEBB MA Asst Prof Polit Soc

Soil Science

5420

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2J J CHODAN PhD Res Assoc Soil Chem

2D R CHRISTENSON MS Asst Instr Soil Fert Mgt Soil Chem

1R J CRABTREE MS Instr Soil Fert Mgt

12J F DAVIS PhD Prof Soil Fert Mgt 23E C DOLL PhD Prof Soil Fert Mgt

12R L DONAHUE PhD Prof Soil Fert Mat

12B G ELLIS PhD Assoc Prof Soil Fert Mgt Soil Chem

25C A ENGBERG MS Res Assoc Soil Conserv Soil Genes Class and Mapping

12A E ERICKSON PhD Prof Soil Chem Soil Phys

12H D FOTH PhD Prof Soil Fert Mgt Soil Genes Class and Mapping

2G J GASCHO MS Asst Instr Soil Fert Mgt

12B D KNEZEK PhD Asst Prof Soil Fert Mat and Soil Chem

2R J KUNZE PhD Assoc Prof Soil Chem

2TM LAIMS Instr Soil Chem.

13R E LUCAS PhD Prof Soil Fert Mat

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#### Soil Science-Continued

2R J MELTON MS Asst Instr Soil Chem

12M M MORTLAND PhD Prof Soil Chem Phys Chem

3J A PORTER MS Assoc Prof Soil Fert Mgt

2R V RAMAN PhD Res Assoc Soil Chem

2P E RIEKE PhD Asst Prof Soil Fert Mgt

2G D BINKENBERGER BS Asst Instr Soil Fert

123L S ROBERTSON PhD Prof Soil Fert Mgt

12I F SCHNEIDER BS Assoc Prof Soil Genes Class and Mapping

23J C SHICKLUNA PhD Assoc Prof Soil Fert Mgt Soil Chem

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23D L THURLOW PhD Asst Prof Soil Fert Mgt
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4D F WAGNER MS Asst Instr Soil Fert Mgt

2R P WHITE MS Asst Instr Soil Fert Mgt
12E P WHITESIDE PhD Prof Soil Genes Class and Mapping

12A R WOLCOTT PhD Prof Soil Bact

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1W W ARMISTEAD DVM PhD Dean of Col Path 1J P NEWMAN DVM MPH Prof Microbiol and Pub Health and Asst Dean of Col for Resident Instr

3C F REED DVM MS Asst Dean of Col for Cont Educ and Ext

#### ANATOMY

1M LOIS CALHOUN DVM PhD Prof and Chmn of

1W S ADAM PhD Asst Instr Anat

1R E CARROW PhD Asst Prof Anat

1D T DREES DVM MS Instr Anat

1T W JENKINS PhD Assoc Prof Neuro-Anat

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1A W STINSON DVM MS Asst Prof Anat

1D R SWINDLER PhD Assoc Prof Anat

14C W TITKEMEYER DVM PhD Prof Anat

IM W VORHIES DVM Instr Anat

# MICROBIOLOGY AND PUBLIC HEALTH

12PHILIPP GERHARDT PhD Prof and Chmn of Dept

IR C BELDING DVM PhD Assoc Prof Bact 5B R BURMESTER PhD Prof (Res) Path

1D T CLARK PhD Assoc Prof Health Parasit

12R N COSTILOW PhD Prof Bact

1H W COX PhD Assoc Prof Parasit

12C H CUNNINGHAM DVM PhD Prof Virol

1I L DAHLJELMS MS Asst Prof Bact

14L C FERGUSON DVM PhD Prof Bact

5R W HINZ PhD Assoc Prof Virol

120 W KAUFMANN PhD Assoc Prof Bact

IW D LINDQUIST DSc Prof Parasit

12W N MACK PhD Prof ViroI

15Mrs VIRGINIA H MALLMANN PhD Asst Prof Bact

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12H L SADOFF PhD Prof Bact

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Veterinary Medicine (Colof) - Continued	
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13 W WARREN ELB Lect Vet Surg and Med	1C G JENKINS Lect Hort and Hort Nichols Arboretum
	IC D JOHNSON BSLA Prof Landsc Arch
	1W J JOHNSON MLA Prof Landsc Arch
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3J T COX MLA Asst Prof Landsc Ext 2G C LUEHRS MA Budget Asst (Expt Sta)	1R R WILKINSON MLA Asst Prof Landsc Arch
20 C LOLING WA Budget Asst (Expt Sta)	
	Wildlife and Fisheries 5454
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Dunbar For Expt Sta PO Sault Sainte Marie  12M W DAY MS   Asst Prof and Supt	of Dept
Graham Hort Expt Sta 2989 Lake Michigan Dr NW Grand	IJE BARDACH PhD Prof Fish
Rapids	1ABCOWAN PhD Assoc Prof Wildlife Mgt 1FFHOOPER PhD Prof Fish
2JOHN GILMORE Supt	1G S HUNT PhD Assoc Prof Wildlife Mgt
Hidden Lake Gardens PO Tipton	1D R MC CULLOUGH PhD Asst Prof Wildlife Mgt
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2ROBERT DEBOER Foreman	1F E SMITH PhD Prof Natural Resources
South Haven Hort Expt Sta PO South Haven	
2STANLEY JOHNSTON MS Prof and Supt	The Department of Forestry, Institute of Wood Research
Upper Peninsula Expt Sta PO Chatham	dichigan Technological University, Houghton 49931
23CHARLES LITTLE MS Asst Prof and Actg Supt	1College Staff 2Station Staff 3Extension Staff
W K Kallogg Sta PO Augusta 1H F WEBSTER MS Supt	4Leave of Absence \$Coop USDA 6Other Govt Agency
THE WEBSTER WIS SUPE	7Misc
CCUON OF WARRING PROCESS	5455
SCHOOL OF NATURAL RESOURCES The University of Michigan Ann Arbor, Michigan 48104	1R L SMITH PhD Pres of Univ (906 482-1600 Ext 201)
or michigan fam Arbot, michigan 48104	1E T WILLIAMS PhD Vice Pres of Univ (906 482-1600
	Ext 292)
5451	1D W STEBBINS PhD Dean of Faculty (906—482- 1600 Ext 211)
HARLAN HATCHER PhD LLD Pres Univ (313-764-	1C A MOYER MD Dir of Res (906-482-1600 Ext 461)
6270)  1R KEITH APNOLD DED. Der. Nei D. (212 Get)	102 1000 EX (401)
1R KEITH ARNOLD PhD Dean Nat Res (213-764- 2550)	
1S H SPURR PhD Dean Grad School	Forestry 5456
1E A H WOODMAN Asst to Dean and Asst Prof Nat	15G A HESTERBERG PhD Prof For Path and Dept Head (906 482-1600 Ext 344)
Res	1C R CROWTHER MS Assoc Prof Silvic
1 K PIERPONT PhD Vice Pres Bus and Finance	1V W JOHNSON MS Prof For Maint
1A G NORMAN PhD Vice Pres Research	1P S JOHNSON PhD Asst Prof Silvic
	1R K MILLER MS Asst Prof Silvic
	1LAWRENCE RAKESTRAW PhD Prof For History
Conservation 5452	14R L SAJDAK MS Instr Dendrol 1N F SLOAN PhD Asst Prof For Ent
ILE CRAINE PhD Prof Conserv and Chmn of Dept	1H M STEINHILB MS Prof For Prod
1AYERS BRINSER PhD Prof Resource Econ and	14W R WYND MS Instr For Econ
Environ Health  14S A CAIN PhD Prof Conserv	
1C E COOPER PhD Assoc Prof of Conserv	
1R L MEIER PhD Prof Conserv	Wood Research 5457
IP E NICKEL PhD Lect Conserv	1HERFORD GARLAND PhD Prof and Dir (906 482-1600
	Ext 284)
	IC W DANIELSON BS Asst Prof Wood Res
Forestry 5453	1J F HAMILTON MF Assoc Prof Wood Res
1K P DAVIS PhD Prof For and Chmn of Dept	1B A HAATAJA BS Asst Prof Wood Res 1L W HOOKER MF Assoc Prof Wood Res
1B V BARNES PhD Asst Prof For	TE WITHOUTE IT MILE ASSOC FIOT WOOD RES
1G P BRUNEAU MWT Asst Prof Wood Sci and	
Technol 1JOHN CAROW MF Prof For	
15H C DAVIS Lect For Rec	Miscellaneous 5458
IN C FRANZ PhD Assoc Prof Wood Sci and Technol	1M V KRENITSKY MA Dir of Librs
14G R GREGORY PhD Prof Resource Econ	V MILLIAM DIT OF LIDES
1F B KNIGHT PhD Prof For	
1H L MORTON Assoc Prof For Path 1A A MARRA PhD Prof Wood Sci and Technol	A. O. O. O. O.
IC E OLSON MF Lect For	Substation 5459
1S B PRESTON PhD Prof Wood Sci and Technol	Ford Forestry Center, L'Anse 49946
1G W SHARPE PhD Assoc Prof For	1E A BOURDO PhD Prof and Dir (906 524-3236)  1J A JOHNSON BS Asst Prof Silvic
15L W TOMBAUGH MF Lect For	1JA MES METEER MSF Asst Prof For Mgmt
1S R TOCHER MF Lect For	1R L ROGGE BS Admin Asst
1ROBERT ZAHNER PhD Prof For	1S G SHETRON PhD Asst Prof Soils

5453a

MINNESOTA 5460-5520

#### MINNESOTA

Institute of Agriculture (College of Agriculture, Forestry, Home Economics; the Agricultural Experiment Station: and the Agricultural Extension Service) and College of Biological Sciences and College of Veterinary Medicine of the University of Minnesota, St. Paul 55101

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6International Program Staff

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1K N McFARLAND PhD Dir of Resident Inst and Asst Dean of Col of Agr For and Home Econ (612-647-3220)

12W T S THORP DVM MS Dean of Col of Vet Med (6) 2-647-3241)

12R K ANDERSON DVM MPH Prof and Assoc Dean of Vet Med

6JOHN BLACKMORE PhD Prof and Dir Internati Agr Prog (612-647-3764)

23C T JOHNSON BBA Asst Vice Pres and Treas of Sta (PO Minneapolis)

#### **Agronomy and Plant Genetics**

5470

12H W JOHNSON PhD Prof and Head of Dept 125R N ANDERSEN PhD Assoc Prof and Agron Weed Physiol 12RICHARD BEHRENS PhD Prof Weed Physiol 12CARL BORGESON MS Assoc Prof Seed Increases 12W A BRUN PhD Asst Prof and Crop Physiol 12C R BURNHAM PhD Prof Cytogenet 12W A COMPTON PhD Asst Prof Corn Brdg and

Genet 125V E COMSTOCK PhD Assoc Prof and Agron Flax

Brdg and Genet

2R L COOPER PhD Res Assoc Soybean Brdg and Genet 2A L DARWENT MS Res Fellow Weed Physiol

12L J ELLING PhD Assoc Prof Alfalfa Brda and Genet 5J H FORD MS Agron Flax Brdg

125R E HEINER PhD Asst Prof and Genet Wheat Brdg and Genet

2D R JOHNSTON BS Res Fellow Wheat Brdg

13J R JUSTIN PhD Asst Prof Ext Spec 2R A KLEESE PhD Assoc Prof Oat Brdg and Genet 12J W LAMBERT PhD Prof Soybean Brdg and Genet

125G C MARTEN PhD Assoc Prof and Agron Forage Util

13G R MILLER PhD Assoc Prof and Ext Spec

13H J OTTO PhD Prof Ext Spec

2R H PETERSON BS Res Fellow Corn Brdg

12D C RASMUSSON PhD Prof Barley Brdg and Genet 12R G ROBINSON PhD Assoc Prof Crop Prod

12Å R SCHMID PhD Assoc Prof Pasture Eval and Crop Prod

124J C SENTZ PhD Assoc Prof Com Brdg and Genet 12L H SMITH PhD Assoc Prof Crop Physiol

20 D SMITH MS Res Fellow Oat Brdg

125R E STUCKER PhD Asst Prof and Genet Alfalfa Brdg and Genet

12H L THOMAS PhD Assoc Prof Forage Brdg and Genet

#### Animal Husbandry 5480

12L E HANSON PhD Prof and Head of Dept

13R L ARTHAUD PhD Prof Ext Swine Nutr and Mgt

12W J BOYLAN PhD Assoc Prof Animal Brdg and Genet

12B P BRADLEY PhD Res Fel Anim Brdg and Genet

Animal Husbandry-Continued

13C J CHRISTIANS PhD Assoc Prof Ext Anim Brdg 1R E COMSTOCK PhD Prof Animal Brdg and Genet

1F D ENFIELD PhD Assoc Prof Anim Brdg and Genet

12J C FORREST PhD Asst Prof Meat Sci

12R D GOODRICH PhD Asst Prof Ruminant Nutr 13R EJACOBS MS Prof Ext Beef and Sheep Nutr and Mat

12R M JORDAN PhD Prof Ruminant Nutr and Mgt 12R J MEADE PhD Prof Anim Nutr

12 J C MEISKE PhD Assoc Prof Ruminant Nutr and Mat

12A L MELLIERE PhD Asst Prof Non-ruminant Nutr

12W E REMPEL PhD Prof Anim Brdg and Genet

12J D SMITH PhD Asst Prof Anim Nutr 13T F TRAIL PhD Asst Prof Anim Husb

## Biochemistry (College of Biological Sciences)

5490

12L M HENDERSON PhD Prof and Head of Dept 12D R BRIGGS PhD Prof Phys Biochem

12J E GANDER PhD Assoc Prof Enzymology

12R L GLASS PhD Assoc Prof Cereal Chem

12ROBERT JENNESS PhD Prof Dairy Chem

12SAMUEL KIRKWOOD PhD Prof Enzymes Polysaccharide Structure

12I E LIENER PhD Prof Proteins, Enzymes

12R E LOVRIEN PhD Asst Prof Phys Biochem

12W O LUNDBERG PhD Prof Lipid Structure 12HERMANN SCHLENK PhD Prof Lipid Metabolism

12M O SCHULTZE PhD Prof Anim Nutr. Metabolism

12H R WARNER PhD Asst Prof Nucleic Acids, Viruses

## Dairy Husbandry

5500

125C L COLE PhD Prof and Head of Dept

3B J CONLIN PhD Asst Prof Ext Dairyman 5M N DEUTSCH MS Dairy Husb Res Asst Dairy Cattle

Brdg

12J D DONKER PhD Prof Nutr

3R W ERICKSON BS Instr Ext Dairyman

2E C FREDERICK PhD Prof and Supt

12E F GRAHAM PhD Prof Reprod

12A G HUNTER PhD Assoc Prof Physiol

2G D MARX PhD Asst Prof Physiol 3J W MUDGE PhD Asst Prof Ext Dairyman

12D E OTTERBY PhD Asst Prof Nutr

2V G PURSEL PhD Asst Prof Physiol

2J W RUST PhD Asst Prof Nutr 3R W WAYNE MS Prof Ext Dairyman

2C L WILCOX PhD Assoc Prof and Supt

12J B WILLIAMS PhD Prof Nutr

125C W YOUNG PhD Assoc Prof Dairy Cattle Brda

(Dairy Industries-5510, changed to Food Science and Industries-5565)

#### Economics (Agr) 5520 12V W RUTTMAN PhD Prof and Head of Dept

5W E ANTHONY PhD Asst Prof Mktg

30 U BLANK PhD Prof Ext Recreation

3H M BJERKE BBA Asst Prof Ext Farm Mgt
12W K BRYANT PhD Assoc Prof Farm Income and

Prices

12MARGUERITE C BURK PhD Prof Consumption Econ 3M K CHRISTIANSEN PhD Asst Prof Ext Dairy Mktg

12D C DAHL PhD Asst Prof Mktg and Law

12R P DAHL PhD Prof Farm Finance and Grain Mkta

3K E EGERTSON MS Instr Ext Livestock Mktg

12S A ENGENE PhD Prof Prod Econ and Farm Mgt

12R E EVENSON MS Asst Prof Resource Econ

124D F FIENUP PhD Prof Resource Devlpmt and Livestock Mktg

2W L FISHEL MS Res Fell Prod Econ

2J W HAMMOND PhD Res Assoc Dairy Mktg 3P R HASBARGEN MS Assoc Prof Ext Farm Mgt

3R O HAWKINS BS Inst Ext Farm Mgt

12J D HELMBERGER PhD Assoc Prof Taxation and Credit

12J P HOUCK Jr PhD Asst Prof Prices and Foreign Agr

Extension (Agr) 5560 Economics (Agr)- Continued 3J S HOYT Jr PhD Lect Location Econ 12H R JENSEN PhD Prof Prod Econ and Farm Mat ADMINISTRATION 12E F KOLLER PhD Prof Dairy Mktg and Coops 3L J PICKREL MS Prof and Dir 2J S MANN PhD Res Assoc Prices and Foreign Agr 3R H ABRAHAM PhD Prof and Assoc Dir 12T R NODLAND PhD Prof Farm Mgt 3F W FORBES MS Prof Pers Training 3H C PEDERSON MS Prof Ext Grain Mktg
12W L PETERSON PhD Asst Prof Mktg 3H G ROUTHE MS Prof State Ldr Ext Prog 124P M RAUP PhD Prof Land and Water Econ and COUNTY AGENT WORK Foreign Agr 3EDWARD BECKER BS Assoc Prof and Dist Supvr 3L M ROSS BS Instr Ext Farm Mgt 3W H HANSON MS Assoc Prof and Dist Supvr 3H G ROUTHE PhD Prof Ext Farm Mgt 3MARY E RYAN BS Instr Consum Educ 3G T MCCLEARY BS Assoc Prof and Dist Supvr 3D A WILSON BS Assoc Prof and Dist Supvr 3F J SMITH Jr PhD Assoc Prof Ext Mktg 3H J NEWELL BS Assoc Prof and Dist Supvr 3R W SNYDER PhD Asst Prof Ext Land Use 5J M STAM PhD Asst Prof Resource Econ 4-H CLUB WORK 3K H THOMAS MS Instr Ext Farm Mgt 3R W BATH PhD Assoc Prof and Assoc State Leader 123R D VLASIN PhD Prof Resource Econ 3E S BERGERUD MPA Assoc Prof and Asst State 13A D WALDO PhD Assoc Prof Ext Public Affairs Leader 3Mrs CAROLE B YOHO MA Instr Public Affairs 3W F. CARLSON BS Instrand Asst State Leader 3Mrs JUANITA J FEHLHAFER BS Instr and Asst State Leader Education (Agr) 5530 3Mrs SUSANNE G FISHER MS Instrand Asst State 1M J PETERSON PhD Prof and Chmn Leader 3L L HARKNESS MPA Prof and State Leader 1H W KITTS PhD Prof 1R P MARVIN PhD Assoc Prof 3EVELYN HARNE MS Assoc Prof and Assoc State 1M B MCMILLION PhD Asst Prof Leader IC L NELSON PhD Asst Prof 3MARIAN LARSON MS Asst Prof and Asst State Leader 1E A PERSONS PhD Asst Prof 30 T MAGNUSON MAPA Assoc Prof and Asst State 1G I SWANSON PhD Prof Leader 3S R MEINEN MEd Asst Prof and Asst State Leader 3W A MILBRATH MSW Asst Prof and Ext Spec Young Engineering (Agr) 5540 Adult Prog 12L L BOYD PhD Prof and Head of Dept HOME EXTENSION PROGRAM 12E R ALLRED MS Prof Soil and Water 3D W BATES MS Prof Ext Agr Structures 3ARLEEN L BARKEIM MS Assoc Prof and Dist Supvr 3CAROLINE M FREDRICKSON MS Assoc Prof and Dist 12W F BEAR PhD Assoc Prof Farm Mechanics 124A M FLIKKE MS Prof Environ and Proc Supvr 3MINERVA O JENSON MA Assoc Prof and Dist Supvr 25L F HERMSMEIER MS Res Fellow Soil and Water 3DOROTHEA RIEMANN MS Asst Prof and Dist Supvr 12ANDREW HUSTRULID PhD Prof Elec Power and Proc 25W A JUNNILA MS Agr Engin Elec Power and Proc 12C L LARSON PhD Prof Soil and Water OTHER 25R E LARSON MS Agr Engin Agr Structures 30 U BLANK PhD Prof and Ext Spec Recreation 3C F HALSEY MS Asst Prof Civ Defense 12R EMACHMEIER PhD Asst Prof Soil and Water 3L R SIMONSON BS Ext Spec Tourist Services and 12P W MANSON MS Prof Soil and Water 12J H POMROY MS Assoc Prof Agr Structures Asst Prof 3D M RYAN BS Prof Ext Agr Structures 12M R SMITH PhD Asst Prof Power and Mach 12A K SOLSTAD PhD Assoc Prof Farm Mechanics Food Science and Industries 5565 12JOHN STRAIT MS Prof Power and Mach 12S T COULTER PhD Prof and Head of Dept 12W M BREENE PhD Asst Prof Dairy Technol 12J J JEZESKI PhD Prof Dairy and Food Microbiol 12P B MANNING MS Instr Dairy Technol 12C V MORR PhD Asst Prof Dairy Technol
12H A MORRIS PhD Prof Dairy Technol
12J C OLSON Jr PhD Prof Dairy and Food Microbiol 5550 Entomology Fisheries and Wildlife 12A C HODSON PhD Prof and Head of Dept 12J R BEER PhD Assoc Prof Mammalogy, Small Mammal 3V S PACKARD Jr PhD Assoc Prof Dairy Prod Ext Pon Spec 12MARION A BROOKS PhD Assoc Prof Insect Microbiol 12E L THOMAS PhD Prof Dairy Technol 12H C CHIANG PhD Prof Insect Ecol Field Crop Pests 12E F COOK PhD Prof Insect Systematics 124L K CUTKOMP PhD Prof Toxicol 2G W GULLION MA Res Fellow Game Mgt Upland 5570 Forestry (School of) Game Birds 12F H KAUFERT PhD Prof and Dir of School 123P K HAREIN PhD Prof Ext Spec in Ent 2C E AHLGREN MS Res Assoc Fire Ecol Genet 12E V BAKUZIS PhD Assoc Prof For Synecol 2K C KIM PhD Res Fellow Insect Taxon 12H M KULMAN PhD Prof For Ent 123J A LOFGREN MS Prof Ext Spec in Ent 12B A BROWN PhD Assoc Prof and Supt of Cloq For Res Center 12R J MACKIE PhD Asst Prof Wildlife Biol Big Game 1W H MARSHALL PhD Prof Wildlife Biol Dir Univ 12R W ERICKSON MS Instr Wood Moisture Relat 12S S FRISSELL Jr MS Instr Recreational Land Mgt Field Biol Prog 12R O GERTJEJANSEN PhD Asst Prof Wood Fiber 12A G PETERSON PhD Prof Veg and Forage Crop Pests Prods 12R D PRICE PhD Assoc Prof Systematics Taxon of 12A R HALLGREN MF Instr Logging Bird Lice 12H L HANSEN PhD Prof Silvic and Ecol 12E B RADCLIFFE PhD Asst Prof Plant Resistance

12J G HAYGREEN PhD Prof Mech Phys Properties

12J M HUGHES PhD Assoc Prof For Resource

Identification
124R L HOSSFELD PhD Prof Wood Chem

Economics
12F D IRVING PhD Prof For Mgt

Veg Insects

Biol

124A G RICHARDS PhD Prof Insect Physiol

12L L SMITH PhD Prof Fish Population Dynamics

12J R TESTER PhD Assoc Prof Ecol Radio Biol 12T F WATERS PhD Assoc Prof Stream Prod Fisheries MINNESOTA 5570-5610

Forestry (School of) - Continued

12H H JOHN PhD Assoc Prof For Mensuration and Statis

12L C MERRIAM Jr PhD Prof Outdoor Recreation Mat

12M P MEYER PhD Prof For Mensuration

3W R MILES MF Instr Ext

12C A MOHN MS Instr For Tree Genet

25J R NEETZEL MF Res Assoc Wood Structures

12S S PAULEY PhD Prof For Tree Genet

12C H REIDEL MPA Instr For Mgt

12HAROLD SCHOLTEN MS Instr Form For

12R A SKOK PhD Prof For Econ and Policy

3M E SMITH BS Assoc Prof Ext 12P C SMITH MF Instr Silvic

12E I SUCOFF PhD Assoc Prof For Tree Physiol

12R D THOMPSON MS Asst Prof Bldg Prod Merchandise 12D B THORUD PhD Asst Prof For Hydrology

12L C WENSEL MS Instr For Measurements

12K E WINSNESS MF Assoc Prof Stud Advising and

Alumni Belat

#### Home Economics (School of)

5580

12LOUISE A STEDMAN PhD Dir and Prof of Sch of Home Econ

1ROXANA R FORD PhD Asst Dir and Prof of Sch of Home Econ

1R A ABELL MFA Assoc Prof Relat Art

3THELMA BAIERL MS Assoc Prof Ext Spec Clothing 1DONALD BENDER PhD Asst Prof Fam Social Sci

3GRACE D BRILL MS Assoc Prof Ext Nutr 14MARJORIE M BROWN EdD Prof Home Econ Educ

12MARGUERITE C BURK PhD Prof Agr Econ and HE 1Mrs MARIE H CHRISTENSON MS Asst Prof HEED

IMrs BARBARA B CONKLIN BS Instr Home Econ 12SUZANNE DAVISON PhD Prof and Chmn Textiles and Clothing

12Mrs MARGARET M DOYLE PhD Assoc Prof Nutr 12FLORENCE EHRENKRANZ PhD Prof and Chmn Household Equip

1GERTRUDE ESTEROS EdD Prof and Chmn Relat Art

IR J FORSYTH PhD Assoc Prof Relat Art

1Mrs NATALIE S GALLAGHER MS Asst Prof Fam Social Sci

IMARGARET P GRINDERENG PhD Asst Prof Textiles and Clothing

4MARY J HITCHCOCK MS Asst Prof Food Serv Mgt 1KATHLEEN M JEARY MA Asst Prof Fam Social Sci

3Mrs EDNA K JORDAHL MS Assoc Prof Ext Spec Home Mgt

3MARY FRANCES LAMISON MA Asst Prof Ext Spec Home Mgt

14HELEN A LUDWIG MA Assoc Prof Relat Art 1LOIS A LUND MS Instr Foods

3CHARLES W MARTIN MS Instr Ext Spec Fam Life 1Mrs FUDEKO T MARUYAMA PhD Asst Prof Foods

3Mrs MARION MELROSE BS Asst Prof Home Econ ın Rehabilitation

3VERNA A MIKESH MS Assoc Prof Ext Nutr

12LURA M MORSE PhD Prof Nutr 1JULIETTE I MYREN MS Assoc Prof Relat Art

1Mrs M VIRGINIA NAGLE BA Asst Prof Relat Art 12ISABEL T NOBLE PhD Prof and Chmn Foods 3RONALD LEE PITZER MS Instr Ext Spec Fam Life

3ATHELENE H SCHEID MA Assoc Prof Ext Spec Clothing

12R J SIRNY PhD Prof and Chmn Nutr and Food Serv

1Mrs HAZEL STOECKELER MA Assoc Prof Relat Art 1PATRICIA SWAN PhD Asst Prof Nutr

12IRVING TALLMAN PhD Assoc Prof and Chmn Fam Social Sci

IMrs ESTHER Y TRAMMELL MS Asst Prof Foods 1Mrs ARDELL H WANTOCH MA Instr Home Econ

1Mrs DOROTHY VERSTRAETE MS Instr Food Serv Mat

Home Economics (School of) - Continued

1Mrs GLORIA M WILLIAMS MA Instr Textiles and Clothing

3Mrs MYRA B ZABEL MA Assoc Prof Ext Spec Home Furnishings

Horticulture

5500

12L C SNYDER PhD Prof and Head of Dept and Supt of Fruit Brdg Farm and Arboretum

12E T ANDERSEN PhD Assoc Prof Tree Fruit Brdg and Cult

12W R ANDERSEN PhD Asst Prof Small Fruit Brdg and Cult

12D W DAVIS PhD Assoc Prof Veg Brdg

13C G HARD PhD Assoc Prof Ext Landsc Ornam
12F I LAUER PhD Prof Potato Brdg

2PAUL LI PhD Asst Prof Hardiness Physicl 123NEIL MILES PhD Asst Prof Ext Pesticides Educ

12ROBERT MULLIN PhD Asst Prof Ornam Brdg

12SHIRLEY T MUNSON MS Asst Prof Food Technol

12R E NYLUND PhD Prof Veg Physiol
12R A PHILLIPS MS Asst Prof Lands Ornam Brdg

1230 C TURNQUIST PhD Prof Ext Veg Potato Brdg

12T S WEIR MS Assoc Prof and Asst Supt of Fruit Brda Farm

12C J WEISER PhD Prof Hardiness Physiol
12D B WHITE PhD Assoc Prof Nursery and Turf Mgt

12R E WIDMER PhD Prof Flor

Information and Agricultural Journalism

5600

123H B SWANSON PhD Prof and Head

23Mrs ROCHELLE F ELLIOTT MS Instr Asst Bul Ed

123V A KEEL MA Instr Inform Spec Press
123G R McKAY MS Prof and Ext Vis Aid Spec

123Mrs JOSEPHINE B NELSON MA Assoc Prof and Asst Ext Ed Press and Radio

123H R STOEHR MS Asst Prof and Agr Bul Ed Pubs 123R S WOLF BS Assoc Prof and Ext Inform Spec Radio and TV

23Mrs KATHLEEN K WOLTER BA Asst Ed Pubs

Plant Pathology and Physiology

5610

123M F KERNKAMP PhD Prof and Head of Dept

12G E AHLGREN MS Instr Phys of Mineral Nutr 12N A ANDERSON PhD Assoc Prof Mycol and Genet of

Plant Pathogens

12E E BANTTARI PhD Asst Prof Virus Dis and Dis of Barley

15W R BUSHNELL PhD Plant Phys Bio of Infection Stem Rust of Wheat

15LUCAS CALPOUZOS PhD Asst Prof and Res Plant Path Sugar Beet Dis

12C M CHRISTENSEN PhD Prof Mycol Microbiol Det of Grain

12C J FIDE PhD Prof Dis of Veg Crops

12D W FRENCH PhD Prof For Path Mycol Det of For Prod

15F I FROSHEISER PhD Asst Prof and Plant Path Dis of Forage Crops

13J D FROYD MS Instr and Ext Plant Path

12HELEN HART PhD Prof Cereal Rusts

13H G JOHNSON PhD Prof and Ext Plant Path 12B L KEELING MS Res Fellow Dis of Barley

12B W KENNEDY PhD Assoc Prof Dis of Soybeans 124T H KING PhD Prof Dis of Fruits and Canning Crops

12THOR KOMMEDAHL PhD Prof Cereal Dis Soil Borne Pathogens

5K T LEATH MS Agr Aid Stem Rust of Wheat

12A J LINCK PhD Prof Phys Action of Herbicides

12D H MACDONALD PhD Asst Prof Nematol

5D VMCVEY PhD Res Plant Path Stem Rust of Wheat

12C J MIROCHA PhD Assoc Prof Phys of Host Parasite Relat

12M B MOORE MS Instr Dis of Oats
12L C OLSON PhD Asst Prof Nitrogen Metabolism

5A P ROELFS MS Plant Path Stem Rust of Wheat Barberry

MINNESOTA 5610-5650

#### Plant Pathology and Physiology-Continued Soil Science- Continued 25T J THIEL MS Res Fellow (SWC ARS) Soil Phys 15B J ROBERTS PhD Asst Prof Plant Path Stem Rust of Oats 25C A VANDOREN PhD Prof (Br Chief SWC ARS) Soil 15R W ROMIG PhD Asst Prof and Res Plant Path Conserv Stem Rust of Wheat 15J B ROWELL PhD Assoc Prof Plant Phys Physiol of Stem Bust of Wheat 54.50 **Veterinary Medicine** 12E J STADELMANN PhD Assoc Prof Cell Physiol 12W TS THORP DVM MS Prof and Dean of Col 5E C STAKMAN PhD DSc Collab Stem Rust of Wheat 12R K ANDERSON DVM MPH Prof and Assoc Dean 12A F WEBER DVM PhD Prof Elec Micro Head of Anat 5G F STALIKNECHT MS Agr Res Tech Dis of Sugar 12B S POMEROY DVM PhD Prof Virol Head of Bact & Reets 15D M STEWART PhD Asst Prof and Plant Path Phys Pub Health 12J M HIGBEE DVM Prof Pathol Head of Diag Labs of Stem Rust of Wheat 12T W SUDIA PhD Assoc Prof Mineral Nutr in Plants 12D K SORENSEN DVM PhD Prof Virol Head of Med 12R D WILCOXSON PhD Prof Dis of Forage Crops 12RAIMUNDS ZEMJANIS DVM PhD Prof Obstet Head of Obs & Gyn 12H J GRIFFITHS DVM PhD Prof Parasitol Head 5620 of Path & Para **Poultry Science** 12C M STOWE DVM PhD Prof Pharmacol Head of 12E L JOHNSON PhD Prof and Head of Dept 23R W BERG PhD and Ext Spec Poultry Genet 23M L HAMRE PhD Asst Prof and Ext Spec Poultry Phys & Pharm 12J P ARNOLD DVM PhD Prof Surg Head of Surgery Prod(s) & Radio 12J F ANDERSON DVM Instr Med 2L M KRISTA MS Res Fellow Nutr 12R E PHILLIPS PhD Assoc Prof Physiol 1A A ARDANS DVM Instr Med 12R N SHOFFNER PhD Prof Genet 1M C BAKER DVM Instr Med 12D C SNETSINGER PhD Assoc Prof Nutr 12D M BARNES DVM BS Assoc Prof Path 12P E WAIBEL PhD Prof Nutr 1W J BEMRICK PhD Asst Prof Parasitol 12M E BERGELAND DVM BS Asst Prof Path 12W F BROWN DVM Instr Obstet 1R H BUSCH DVM Non Serv Fellow Path 5630 Sociology (Rural) 123G A DONOHUE BA Prof Social 1ERNEST CORKER DVM Non Serv Fellow Physiol 12B L ELLENBOGEN PhD Prof Social 1R P CRAWFORD Jr MS Res Fellow Microbiol 2LOUIS KUTCHER BA Res Asst Sociol 1S L DIESCH DVM MPH Asst Prof Bact 13C W MARTIN MA Instr Ext Fam Life 12DARIO MENANTEAU MA Asst Prof Social 1H E DZIUK DVM PhD Assoc Prof Physiol 1J C ELLERY DVM Res Fellow Obstet 1L A ERICKSON DVM Non Serv Fellow Physiol 12JOEL NELSON PhD Asst Prof Sociol 12LOWRY NELSON PhD Prof Social Emeritus Consult 1G H EVANS DVM Instr Surg 1M L FAHNING DVM PhD Asst Prof Obstet 123CLARICE OLIEN MA Instr Ext Sociol 13RONALD PITZER MA Instr Ext Fam Life 1R J FARNSWORTH DVM BS Instr Med 27STAN POLLOCK BA Res Asst Sociol 1E E FENSKE DVM Res Fellow Med 1T F FIELD DVM Instr Election Micros 123C E RAMSEY PhD Prof Sociol 2WILLIAM SCHWEIKER BA Res Asst Sociol 1D R FINCO DVM PhD Asst Prof Med 12M A STRAUS PhD Prof Sociol 1T F FLETCHER DVM Asst Prof Neurologist 2SHUSHIL USMAN BA Res Asst Sociol 2WILLIAM WILSON BA Res Asst Sociol 1D GOLTZ DVM Res Assoc Med 12A L GOOD DVM PhD Prof Physiol 1PATRICIA M GOUGH PhD Res Assoc Bact 11 M GOURLEY DVM BS Assoc Prof Surg 5640 5E GRASS DVM MPH Soil Science 12W P MARTIN PhD Prof and Head of Dept 12R S ADAMS Jr PhD Asst Prof Soil Biochem 1EVELYN L GROTH DVM Res Fellow Med 1R F HAMMER DVM Non Serv Fellow Anat 25R R ALLMARAS PhD Asst Prof (SWC ARS) Soil Chem 12P B HAMMOND DVM PhD Prof Toxicol 12H F ARNEMAN PhD Prof Soil Surv and For Soils IGRISELDA F HANLON DVM MS Asst Prof Radiol 12D G BAKER PhD Assoc Prof Soil Microclimatol 1G C HEATH DVM Non Serv Fellow Physiol 1J H HOWARD DVM Instr Surg 12G R BLAKE PhD Prof Soil Phys 12P M BURSON MS Prof Soil Mgt and Fert 1EDWARD JANKUS DVM PhD Physiol 12A C CALDWELL PhD Prof Soil Chem and Fert 1R H JENSEN DVM Non Serv Fellow Path 25C E CLAPP Jr PhD Asst Prof (SWC ARS) Soil Biochem 12D W JOHNSON DVM PhD Assoc Prof Med 25R H DOWDY PhD Asst Prof (SWC ARS) Soil Phys 1K H JOHNSON DVM PhD Asst Prof Path 1LARUE JOHNSON DVM PhD Asst Prof Med Chem 2SAM EVANS PhD Asst Prof Br Sta Soils 1S H KLEVEN DVM Instr Bact 12R S FARNHAM PhD Assoc Prof Soil Surv and Org 1H J KURTZ DVM PhD Asst Prof Path 12C T LARSEN DVM BS Res Fellow Microbiol 5H R FINNEY PhD Soil Sci (SCS) Soil Surv Con IV L LARSON DVM BA Res Fellow Med 2R D FRAZIER PhD Asst Prof Soils 1Y S LIN MS Res Fellow Leukemia-Biometrics 12JOHN GRAVA PhD Assoc Prof Soil Test and Fert 12R K LINDORFER PhD MS Prof Microbiol 3L D HANSON MS Asst Prof Ext Spec Soils 1P B LITTLE DVM Instr Med 2H J HATCHER PhD Res Assoc Soil Microbiol 12K I LOKEN DVM PhD Asst Prof Med 25R F HOLT PhD Prof (SWC ARS) Soil Chem 1D G LOW DVM PhD Prof Med 12J M MacGREGOR PhD Prof Soil Chem and Fert 5D W LUCHSINGER DVM Bact 2R C MUNTER MS Res Fellow Soil Chem 1W W MARQUARDT DVM BS Instr Microbiol 2W W NELSON PhD Assoc Prof and Supt 12ERIKS MARTINSONS DVM Res Fellow Obstet 15D J MARX MA ZOOLOGY Res Fellow Path 3C J OVERDAHL PhD Prof Ext Soils 1G W MATHER DVM PhD Prof Med 2D J PLUTH PhD Res Assoc For Soils 25J K RADKE PhD Asst Prof (SWC ARS) Soil Phys 1C H McGINNIS PhD Asst Prof Physiol 2G W RANDALL MS Res Fellow Soil Fert 5H METCALF DVM MPH Bact 5A S ROBERTSON BS Soil Sci (SCS) Soil Surv 1G E MILLER BS Res Fellow Pharm H W MOON DVM BS Res Fellow Path W E MOORE DVM BS Res Fellow Med 12G H NELSON DVM BS Assoc Prof Clin Path 12R H RUST PhD Prof Soil Surv and Phys Chem

1J A NEWMAN DVM BS Res Fellow Microbiol

12E L SCHMIDT PhD Prof Soil Microbiol 20 C SOINE PhD Prof Soils 3J P SWAN PhD Asst Prof Ext Soil Spec Veterinary Medicine - Continued

1PATRICK O'LEARY DVM Non Serv Fellow Path

IN E OLSON DVM PhD Asst Prof Med

1C A OSBORNE DVM Instr Med

12VICTOR PERMAN DVM BS Assoc Prof Clin Path

1J PRIEDKALNS BVSc PhD Asst Prof Anat

1P T PURINTON DVM Non Serv Fellow Anat

1W J QUINN DVM Instr Med

1J D RHOADES DVM MS Instr Med 1EBERHARD ROSIN DVM Instr Surg

12J H SAUTTER DVM PhD Prof Path

1W D SCHALL DVM Instr Med

1J C SCHLOTTHAUER DVM BS Asst Prof Parasitol

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12R E SHOPE DVM PhD Asst Prof Virol

1E C SHORT DVM BS Instr Physiol Chem

5F E SIEGFRIED DVM Vet Livestock Insp

3R B SOLAC DVM BS Asst Prof Ext Vet

1R E SOLEE DVM Non Serv Fellow Bact 1F A SPURRELL DVM PhD Prof Radiol

IJBSTEVENS DVM BS Res Fellow Path

14J P SULLIVAN DVM PhD Asst Prof Physiol

1E A USENIK DVM PhD Prof Surg

1C E WALLACE DVM Instr Med

### Miscellaneous

5660

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2M A MITTENESS Farm and Grounds Supt

2P J TICHENOR PhD Assoc Prof Journ

12E B STANFORD PhD Prof and Dir of Univ Libra

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5670

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1J G CVANCARA PhD Asst Prof and Coord Training Prog

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5680

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2WILLIAM MATALAMAKI PhD Prof and Supt

2R B AAKRE BS Asst Prof and Agr Engin

2R H ANDERSON BS Instr Agron

2W H CROMELL BS Instr For

2N H GRIMSBO BS Instr Hort

2J W RUST PhD Asst Prof Anim and Dairy Husb

2C D WEGNER BS Instr For

Northeast Expt Sta PO Duluth

2R S GRANT MS Prof and Supt Dairy Mgt

Northwest Expt Sta PO Crookston

2B E YOUNGQUIST PhD Prof and Supt

2B C BERESFORD MS Asst Prof Hort

2G D MARX PhD Asst Prof Dairy Husb

2E C MILLER MS Asst Prof Agr Engr 2O C SOINE PhD Prof Soils

2H F WINDELS PhD Asst Prof Anim Husb Rosemount Expt Sta PO Rosemount

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2E C FREDERICK PhD Prof and Supt Anim Physiol 2R M COLLINS PhD Prof and Prin Ed

2R D FRAZIER PhD Asst Prof Soils

2H C MATSON MA Asst Prof Agr Engr 2K P MILLER PhD Assoc Prof Anim Husb

2J R THOMPSON PhD Assoc Prof Agron

Southwest Expt Sta PO Lamberton

2W W NELSON PhD Assoc Prof and Supt Soils

West Central Expt Sta PO Morris

2R E SMITH MS Assoc Prof and Supt Econ 2S D EVANS PhD Asst Prof Soils

2W H GRAY MS Asst Prof Hort

2H E HANKE MS Asst Prof Anim Husb 2L K LINDOR MS Asst Prof Agr Engr

2V G PURSEL PhD Asst Prof Dairy 2R L THOMPSON MS Asst Prof Agron

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1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6Other Govt Agency

5690

5700

IW L GILES PhD Pres

1T K MARTIN PhD Vice Pres

1 J K BETTERSWORTH PhD Academic Vice Pres (Tel

601 Starkville 323-4321 Ext 388) 123L N WISE PhD Vice Pres for For and Agr

12R T CLAPP MF Deam of Sch of For

1211 H LEVECK MS Dir of Sta (Tel 601-Starkville 323-4321 Ext 233)

3W M BOST MS Dir of Ext (Tel 601-Starkville 323-4321 Ext 303)

3R C SIMMONS MPA Assoc Dir of Ext

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12C D HOOVER PhD Prof and Head of Dept Fert and Mat

3K L ANDERSON MAgr Assoc Ext Agron Field Crops Corn

12C H ANDREWS PhD Asst Agron Seed Res and Training AID Brazil

2J L ANTHONY MS Assoc Agron Fert and Mgt

2S D ATWELL BS Asst Agron Turfgrasses and Roadside Devel

12B S BARNES MS Asst Prof and Asst Agron Seeds

2J M BECK BS Engin Tech AID Brazil Seeds

25H W BENNETT PhD Agron Crop Brdg and Grasses

2A H BOYD Jr BS Asst Agron Seeds

5F V BRENT Jr BS Soil Sci SCS Soil Genesis Classification and Mapping 12H D BUNCH PhD Prof Chief AID Brazil Seeds

12J C DELOUCHE PhD Prof and Dir of State Seed Lab

in Chg Seed Tech Lab Seeds State Seed Anal 2G M DOUGHERTY MS Asst Agron AID Brazil Seeds

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12G D GREEN MS Assoc Prof Field Crops and Variety Testing

12B R GREGG MA Asst Prof and Asst Agron Seeds

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5W E KNIGHT PhD Res Agron Crop Brdg and Crimson Clover

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5J R McCLUSKY BS Res Asst Crop Brdg

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2E L McWHIRTER MAgr Asst Crop Breeding

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12V E NASH PhD Assoc Prof and Assoc Agron Soil Mineralogy

12L E NELSON PhD Prof Fert and Mgt

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12H B VANDERFORD PhD Prof Soil Genesis Classifi- cation and Mapping	5740
12C E VAUGHAN MS Asst Prof Seeds 12C Y WARD PhD Prof Pasture and Forage Crops and Turfgrasses 3J H WATSON MS Asst Ext Agron Soil Bact	Education 5740  10 L SNOWDEN PhD Prof and Head of Dept 14L P JACKS MED Asst Prof Agr Ed 1J R HAMILTON EdD Prof Agr Ed 1G M WALKER MAgr Assoc Prof Agr Ed
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12C E LINDLEY PhD Prof and Head of Dept 12BRYAN BAKER Jr PhD Prof Swine and Sheep 12L H BOYD PhD Asst Prof Sheep 3R O BUCKLEY Assoc Ext Anim Husb Sheep 12B G DIGGS PhD Assoc Prof Swine 12H W ESSIG PhD Assoc Prof Beef Cattle and Sheep 3E E GRISSON MS Leader of Ext Anim Husb 12Mrs FAY HAGAN PhD Asst Prof Anim Brdg and Genet 3H B HEDGEPETH MS Asst Ext Anim Husb 3W L RICHMOND BS Assoc Ext Anim Husb Swine 12R W ROGERS PhD Asst Prof Meats 12C B SHAWWER MS Asst Prof Meats 12L J SMITHSON PhD Asst Prof Prod 3W M SWOOPE MS Asst Ext Anim Husb Beef Cattle Performance Test  Chemistry (Agr) 5715 1E F BARRENTINE PhD Head of Dept 2J D CAIN BS Asst Chem 2W E POE MS Asst Chem 2W E POE MS Asst Chem  Dairy Science 5720	Engineering (Agr)  12 H ANDERSON PhD Prof and Head of Dept 3C P BRYSON BS Asst Ext Agr Engin Cotton Mech and Ginning 4-H 2T G CARPENTER MS Res Assoc Soil and Water 25R F COLWICK MS Prof Power and Mach 2R L CLARK MS Res Assoc Structure and proc 12R N CLARK BS Instr Soil and Water 2W R CRUMPTON MS Res Assoc Power and Mach 12F E EDWARDS MS Prof Power and Mach 12W R FOX PhD Assoc Prof Power and Mach 11W R GARTON BS Res Asst Power and Mach 11W R GLOVER MS Assoc Prof Power and Mach 11W R GLOVER MS Assoc Prof Power and Mach 2T N JONES MSAE Agr Engin Power and Mach 2E A KIMBROUGH MS Assoc Prof Soil and Water 12K N MATTHES PhD Asst Prof Power and Mach 3J L McVEY BS Leader of Ext Agr Engin 12J C McWHORTER MS Prof Soil and Water 3W C MASSEY BS Asst Ext Agr Engin Blueprint Serv 3D L MILLER BS Assoc Ext Agr Engin Materials Handling 3K R RAY BS Ext Agr Engin Housing and Arch 2F L SHUMAN PhD Asst Prof Power and Mach 12H O VAIGNEUR PhD Assoc Prof Farm Structures 1R E WILLIAMSON MS Res Assoc Power and Mach
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3A L McLAUGHLIN MS Asst Ext Econ  12T D PHILLIPS PhD Prof Grain and Livestock Mkt  2C E POWE MS Res Asst Mkt	Extension Administration 3W M BOST MS Dir 3C R AIKEN PhD Ext Res and Training Off

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5810

1R B NEVINS MS Asst Prof Hort and Bot 12J P OVERCASH PhD Prof and Hort

3C H MANASCO MS Leader Ext Mktg

Horticulture - Continued

Morketing

30 B COOPER MS Asst State 4-H Club Ldr	3C H MÅNASCO MS Leader Ext Mktg	
3W A COX BS Chief Clk	3TRUETTS BUFKIN BS Asst Ext Mktg Spec	
30LIVE DOWELL MS Dist Ldr Home Econ Prog	3L L MONROE BS Asst Ext Mktg Spec 3A T PULLIN BS Asst Ext Mkt Spec	
3CBDUKE JrMS Dist Agt	3A T PULLIN BS Asst Ext Mkt Spec	
3M W EDWARDS MS Dist Agt	3ANN O RUSHING BS Asst Ext Mkt Spec	
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3T M GRUBBS MS Dist Prog Ldr	3J C WILSON MS Asst Ext Mkt Spec	
3J W JAMES MS Asst State 4-H Club Leader		
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3K H MARTIN MS Ext Acct		
3L C MASON MS Dist Prog Ldr	Plant Pathology and Weed Science 58	820
3L H MOSELEY MS Dist Agt	12W W HARE PhD Prof Veg Dis and Head of Dept	320
3D W RIVERS MEd Prog Leader	12D C BAÏN PhD Prof Field Crops Dis	
3Mrs CARMEN P RONKEN MS Dist Ldr Home Econ		
Prog	25TILDON EASLEY MS Collab Weed Sci	
3M A ROWZEE MS Assoc State 4-H Club Leader	12E F EASTIN PhD Asst Prof Weed Sci	
3R C SIMMONS MPA Assoc Dir	12C H GRAVES Jr PhD Assoc Prof Fruit Dis	
	25V C HARRIS MS Collab Weed Sci 3W F MOORE MS Ext Plant Path	
3KATHERINE SIMPSON MS Dist Ldr Home Econ Prog	3W F MOORE MS Ext Plant Path	
3C I SMITH MS State 4-H Club Leader	12R D PALMER PhD Assoc Prof Weed Sci	
3C C STONE BS Dist Agt	12G K PARRIS PhD Prof For Dis	
3MAY L WARD BA Asst Ext Acct	125E E ROSENKRANZ PhD Adjunct Asst Prof Corn Di	is
	1A B WILES PhD Adjunct Prof Cotton Dis	
Forestry 5780		
12R T CLAPP MF Prof and Dean of Sch		
12W W ELAM PhD Asst Prof For and Bot	Poultry Science 58	B30
2L J KERR BS Instr Farm For	12J E HILL MS Prof and Head of Dept	
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3W W MONTFORT Jr BS Asst Ext For	12E J DAY PhD Prof Nutr	
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3R R ROBERTSON MF Assoc Ext For	12L J DREESEN MS Assoc Prof Genet	
12R D ROSS MF Asst Prof For	2P N DUA MS Res Asst Nutr	
12R D ROSS MF Asst Prof For 12J W STARR MF Assoc Prof		
12G L SWITZER PhD Pmf For	3E W GARRISON MS Assoc Poultryman	
12G L SWITZER PhD Prof For 2F W TAYLOR PhD Asst Dir For Prod Util Lab	12BRUCE GLICK PhD Prof Physiol	
3J S THERRELL MS Ldr of Ext For	12C H THOMAS PhD Assoc Prof Genet	
12W S THOMPSON PhD Prof For and Dir For Prod Util	2J A WILSON MS Res Asst Physiol	
Lab	3PAUL YOUNT BS Leader of Ext Poultry Husb	
12JOE YAO PhD Asst Prof For		
ASSTITUTION		
	Cartalana and Burn I Lat (C. L. C. A. L. L. C. D.	
Home Economics 5790	Sociology and Rurol Life (Sch of Arts and Sci) 58	840
2PHOEBE T HARRIS PhD Head of Dept	123M T LOFTIN PhD Prof and Head of Dept	
2Mrs MAYBELLE BAILEY BS Tech Asst Foods and	1A W BAIRD MS Asst Prof	
Nutr	12Mrs ELLENS BRYANT MA Instrand Asst Social	
	12Mrs LUCY W COLE MA Instr and Asst Social	
3Mrs JULIA H BARNES MS Ext Home Mgt Spec	1EDNA R DAVIS MA Assoc Prof	
4MARGUERITE O DAVIS MS Ext Spec Clothing	12J R DAVIS BA Asst Prof and Asst Soc	
3FRANCES FORTENBERRY MS Ext Spec Housing	IGERALD GLOBETTI PhD Asst Prof	
and Equip	2A R JONES PhD Assoc Soc	
3SARAH F FOUNTAIN MS Ext Spec Home Furnishings	1H F KAUFMAN PhD Prof Social and Dir Social Sci	
3INA F GRAY BS Asst Ext Spec Foods and Nutr	Res Center	
2Mrs ALVIRDA JOHNSTON MA Asst Home Econ Family	1Mrs GRACE POMEROY MA Instr	
Relations	23C R SOLLIE PhD Assoc Social and Leader of Ext	
2Mrs LOIS KILGORE MT and MS Asst Home Econ Foods	Rural Sociol and Com Organ	
and Nutr	12W A STACEY MA Asst Prof and Asst Soc	
3ANNIE J McGINTY MS Ext Family Life Spec	12Mrs ELISABETH J STOJANOVIC MA Instr and Asst	
3SUSIE E OVERSTREET MSPH Ext Spec Health Educ	Social Social Stockhovic MA Institution Assi	
3MARILYN PURDIE MS Ext Spec Foods and Nutr	1K P WILKINSON PhD Instr Social Psychol	
2BETSY STARK BA Res Asst	1G O WINDHAM PhD Prof	
	IG O WINDHAM PhD Prof	
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forticulture 5800		
12C C SINGLETARY PhD Prof and Head of Dept	Veterinary Science 58	60
12C O BOX PhD Prof and Hort	12H F McCRORY DVM Assoc Prof and Acting Head of	
12C K BROWN BS Instr	Dept Associated and Acting need of	
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12H L HAMMETT PhD Assoc Prof and Assoc Hort	-2DENTING I IID ASSOC DUCK	

Miscellaneous

1G R LEWIS MLS Dir of Librs

Extension Administration - Continued

33W E AMMONS BS Spec Staff Asst
3B E BERRY MS Dist Prog Leader
3G L BERRY MS Dist Prog Ldr
3MAMIE J BROCK MS Dist Ldr Home Econ Prog
3J R CARPENTER BS Asst Dir

3R B COOPER MS Asst State 4-H Club Ldr

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5870

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Brown Loam Br Expt Sta PO Raymond

2E G MORRISON MS Supt

2W J GILL BS Asst Agron

Coastal Plain Br Expt Sta PO Newton

2ROY KUYKENDALL BS Supt

2J W McMILLAN BS Asst Agron 2T G SANDEFS MS Dairy Spec

2B E WAGGONER MS Asst Agron

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2W L BARRENTINE MS Assoc Plant Physiol

5F T BONNER PhD For

2D H BOWMAN PhD Agron 2R R BRIDGE PhD Plant Genet

5W M BROADFOOT MS Soil Sci (For)

2J S BULLOCK PhD Soil Sci

2E G BURCHFIELD BS Res Assoc

2J F CHISM BS Res Assoc

2G E COATS MS Res Assoc

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5T H FILER PhD Path (For)

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2M L LASTER PhD Ent

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2JE REAMES BS Agr Engin

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5E L ROBINSON PhD Plant Physiol

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2B L ARNOLD MS Agron

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2R C ALBRITTON BS Supt

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2C A BRISCOE BS Asst Supt

South Miss Br Expt Sta PO Poplarville

2T E ASHLEY MS Supt

2C L BLOUNT MS Agron 5R E JEZEK BSAE Agr Engin

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5B G SITTON PhD Hort

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2W O THOMAS MS Assoc Hort

2S L WINDHAM PhD Hort

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5890

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Econ and Teacher Trainer (Tel 601-420 Ext 283)

IN C BUFORD MS Chmn of Dept of Ind Educ and Asst Prof Ind Educ (Tel 601-420 Ext 212)

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5980-6030 MISSOURI

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MISSOURI 6030-6060

Field Crops-Continued

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3J R FLEETWOOD MA Prof Field Crops

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5F L MORGAN PhD Res Assoc Sovbean Path

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5E J PETERS PhD Assoc Prof Weed Control-Forages

12J M POEHLMAN PhD Prof Small Grain Brdg

12G P REDEI CSc Assoc Prof Genet

2W P SAPPENFIELD PhD Prof Cotton Brdg

3J H SCOTT Jr BS Assoc Prof Field Crops

5E R SEARS PhD Prof Wheat Cytogenet

120 P SEHGAL PhD Asst Prof Virol

12VIOLA M STANWAY MA Asst Prof Seed Technol

5C F STARK MS Res Assoc Genet

2Mrs LOTTI M STEINITZ-SEARS PhD Asst Prof Cytogenet

5J F STRITZKE MS Res Assoc Weed Control-Forages

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Forestry

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12G N BROWN PhD Asst Prof Tree Physiol

12G S COX PhD Prof Tree Physiol

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5J S CROSBY MF Res Assoc Fire

12W L DECKER PhD Prof Atmospheric Sci

12D J JANES MS Instr Silvic 5R M LOOMIS MS Res Assoc Fire

3L E McCORMICK BS Prof For Mgt

12E A McGINNES Jr PhD Prof Wood Technol and Prod

5R A McQUILKIN MS Res Assoc For Mat

1K E MOORE MF Asst Prof For Cartography and Engin

12R A MUSBACH BSF Asst Prof Silvic

124A J NASH PhD Prof Mensuration and Photogrammetry

12J M NICHOLS MS Assoc Prof For Mgt

12W J O'NEIL BS Assoc Prof Emeritus

12J P PASTORET MS Asst Prof Wood Technol and Prod

12L K PAULSELL MS Assoc Prof Silvic

12R B POLK MS Assoc Prof Genet and Dendrology

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12R C SMITH DF Prof For Econ

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12Mrs VETA BADAMS BS Asst to the Dir

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12RUTH N LUTZ PhD Prof Food and Nutr

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Poultry Husbandry

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123F M FUNK PhD Prof and Chmn of Dept

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120 J COTTERILL PhD Assoc Prof Poultry Prod Technol

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2J A ROTH MS Asst Prof Fert

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6110

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2ROBERT WEHRMAN BS Fert Field Auditor

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	24W B COOK PhD Prof and Head of Dept
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	2R A OLSEN PhD Prof Plant Biochem
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Ext 271)	12C F KRAENZEL PhD Prof Rural Social
12L P CARTER PhD Asst Deam of Agr and Asst Dire Sta (Tel 406 587-3121 Ext 214)	
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12ALICE McCLAIN MA Assoc Col Libr	12D C MYRICK PhD Asst Prof Farm Mgmt and Mktg
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	Econ Ext Leader
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Education (Agr) 6930	
IC C DRAWBAUGH MEd Asst Prof Agr Educ	F 15.
	Food Science 6980  12G R DIMARCO PhD Prof Food Proc and Head of Dept
Engineering (Agr) 6940	3JEREMY A BLAKE MS Assoc Ext Spec
12M E SINGLEY MS Prof Agr Engin and Head of Dept	12S S CHANG PhD Prof Food Chem
3MARTIN DECKER Jr MS Asst Ext Spec in Power &	12S G GILBERT PhD Prof Packaging
Mach	12L L GUSTAFSON BA Res Assoc Food Proc
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12M J MOORE MS Asst Prof Power & Mach	12D H KLEYN PhD Assoc Prof Dairy Mfrs
12KURT NATHAN MS Assoc Prof Soil and Water Engin	12J G LEEDER PhD Prof Dairy Mfrs
12C H REED MS Prof Farm Bldgs	12W A MACLINN PhD Prof
3W J ROBERTS MS Assoc Ext Spec Farm Bldgs	12MYRON SOLBERG PhD Asst Prof Food Proc
12R C TOTTEN BS Res Assoc Agr Engin	12Mrs ELIZABETH F STIER PhD Asst Prof F∞d
	Flavor
Entomology and Economic Zoology 6950	
12B B PEPPER PhD Prof Ent and Econ Zoology and	Home Economics 6990
Head of Dept	3AUDREY C BURKART MA Asst Ext Spec Foods and
2W J COLLINS PhD Asst Prof Structural and	Nutr
Household Pests	3MRS CLEO M COTTRELL MA Asst Ext Spec Home
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2W J CRANS BS Res Assoc Mosquito Control	Relat
12A J FORGASH PhD Prof Insect Physiol	3JEAN F JUDGE BS Ext Spec Food Mktg
12PHILIP GRANETT PhD Prof Control of Bird	3BEATRICE M MAY MS Asst 4-H Ext Spec Textiles
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12L E HAGMANN PhD Prof Mosquito Control	Textiles and Clothing
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12W R JENKINS PhD Prof Nematol	TODINI III MILO MO TIONE LAN OPEN IIOMO I MINISTRINGO
12D M JOBBINS MS Prof Mosquito Control	
3R R KRINER PhD Ext Spec in Pesticides	
2G M MARKLE BS Asst Prof Pesticide Use Clearance	Horticulture and Forestry 7000
23P E MARUCCI BS Prof Small Fruit Insects (PO	12C E HESS PhD Prof Hort and Head of Dept
Pemberton)	12L G ALBRIGO MS Res Assoc Pomolog,
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2R C RILEY PhD Asst Prof Proc Crops Insects	12PAUL ECK PhD Assoc Prof Small Fruits
12J B SCHMITT PhD Prof Insect Morphol	12J H ELLISON PhD Prof Veg Crops
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Control 3L M VASVARY MS Asst Ext Spec Household and	3R P KORBOBO BS Ext Spec Landsc Design
Home Ground Insect Problems	3D B LACEY MS Assoc Ext Spec Home Hort 3A N LENTZ BS Ext Spec Farm For
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Environmental Science 6960	2W B NESBITT MS Res Assoc Pomol
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2M S FINSTEIN PhD Asst Prof 3F B FLOWER MS Asst Ext Spec	123C R SMITH PhD Assoc Prof Small Fruits
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12J V HUNTER PhD Assoc Prof	12G A TAYLOR PhD Prof Veg Crops
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Meteorology 7010 Miscellaneous 12A V HAVENS MS Prof and Dept Head 12L B ARRINGTON PhD Libr 7D V DUNLAP MS Hon Prof 12H C BOHLKE Bursar 12J K McGUIRE MA Assoc Prof 27CLARENCE SAKAMOTO PhD Hon Asst Prof 2R D SNEE MS Inst Applied Math Stat 12M D SHULMAN PhD Asst Prof

**Oyster** Culture 7030

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Plant Biology

7040 12B H DAVIS PhD Prof Plant Path and Head of Dept 2EILEEN G BRENNAN MS Asst Prof Plant Path Air Pollution

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Biochem 12R H DAINES PhD Prof Plant Path Tree Fruit Dis

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Cranberries and Blueberries 12E H VARNEY PhD Prof Plant Path Dis Small

Fruits

Soils and Crops

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12M A SPRAGUE PhD Prof Forage Crops 12J E STECKEL PhD Assoc Prof Soil Chem

12B B TAYLOR BS Instr Farm Crops

12J C F TEDROW PhD Prof Soil Genesis

12S J TOTH PhD Prof Soil Chem

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250 F BAILEY BS Soil Sci Soil Survey

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7170

Experimental Statistics

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25G I WILSON PhD Parasitol  12J E WOOD PhD Assoc Prof Wildlife Mgt	12ANN R STASCH PhD Assoc Prof Nutr 1Mrs ELIZABETH WICHERT MA Asst Prof Foods and Household Equip
Botany and Entomology 7120	Horticulture 7190
2J G WATTS PhD Prof and Head of Dept Gen Ent 2J L AUCLAIR PhD Prof Ent 12J A BOOTH PhD Asst Prof Plant Path 25C F CHEW MS Plant Path 3J J DURKIN MS Assoc Prof Ent Chem Coord 12J J ELLINGTON PhD Asst Prof Ent 2H J KINZER PhD Asst Prof Ent 12C R MAIER PhD Assoc Prof Plant Path 3E L SHANNON MS Asst Prof Plant Path	12F B WIDMOYER PhD Prof and Head of Dept Ornam 3M D BRYANT MS Assoc Prof Veg Crops 12I N CORGAN PhD Assoc Prof Veg Crops 12E R JENSEN PhD Assoc Prof Ornam 12R M NAKAYAMA PhD Asst Prof Veg Crops 1G E OHSFELDT BS Inst Hort 12D T SULLIVAN PhD Prof Fruit Crops
12G O THRONEBERRY PhD Assoc Prof Plant Phys	Information (Agr) 7200 23J M WHITE MA Prof Agr Ed and Head of Dept
Dairy 7130  12D D MILLER PhD Prof and Head of Dept Bact 3J B ELLS MS Asst Prof Prod and Mgt 12J V KEARNS MS Asst Prof Nutr 12S R SKAGGS Jr PhD Prof Nutr	3E W BROWNING BS Asst Prof Assoc Agr Ed 23C D HERRELL Asst in Ext Assoc Agr Ed 23Mrs VIRGINIA JOHANSEN MA Assoc Prof Assoc Agr Ed
	Poultry Husbandry 7210
Economics (Agr) 7140  12G R DAWSON PhD Prof and Head of Dept Farm Mgt  12G M BURKE PhD Assoc Prof Veg Mktg  12J R GRAY PhD Prof Range Econand Finance  12C H GREENE PhD Asst Prof Livestock Mktg	12D W FRANCIS PhD Prof and Head of Dept Poultry Physiol 3H L MATHEWS MS Assoc Prof Prod and Mktg 12R H ROBERSON PhD Assoc Prof Poultry Nutr
2C R HALL MS Assoc Prof Cotton Mktg and Util  12M L HANSON PhD Asst Prof Prod Econ	Miscellaneous 7220
12D C HENDERSON MS Asst Prof Resource Econ 12R R LANSFORD PhD Asst Prof Farm Mgt 3E J O'NEAL MS Assoc Prof Cotton Mktg 3G O OTT MS Asst Prof Farm and Bus Mgt	1C H LINSCHEID MALS Libr
3RUTH SNEED MS Assoc Prof Food Mkt Inform 2H R STUCKY PhD Prof Resources Economics	Branch Stations 7230 Espanola Valley Branch Station Alcalde 87511
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12E G HANSON MS Prof and Head of Dept Soil and	25E E HUGHES PhD Weed Ecol

Agronomy - Continued

Water

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2F A QUINONES PhD Assoc Prof Bean Brdg
12GLEN STATEN MS Prof Cotton Brdg

12C E WATSON MS Assoc Prof Forage Mgt
12J W WHITWORTH PhD Assoc Prof Weed Physiol
12B C WILLIAMS PhD Assoc Prof Soil Fert
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### Branch Stations - Continued

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#### **NEW YORK**

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## Agriculture

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25W H ALLAWAY PhD Prof Soil Sci

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12D R BOULDIN PhD Assoc Prof Soil Sci

3R F BURT MS Ext Assoc

12W G COVEY MS Assoc Prof of Met

3W F CRONEY MS Ext Spec Soil Cons

12J E DAWSON PhD Prof Soil Sci

12B E DETHIER PhD Asst Prof Agr Climatol

12W B DUKE PhD Asst Prof of Agron

3REESHON FEULR PhD Assoc Prof Agron

### Agriculture - Continued

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25J F HODGSON PhD Asst Prof Soil Sci 2D H HUBBELL PhD Res Assoc

3H A KERR MSA Prof Soil Conserv 3R E KRENZIN PhD Assoc Prof Field Crops

25JOE KUBOTA PhD Asst Prof Soil Sci

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25E R LEMON PhD Prof Soil Sci

25D L LINSCOTT PhD Asst Prof Field Crops

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12R B MUSGRAVE PhD Prof Field Crops

12R L OBENDORF PhD Asst Prof Field Crops

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2T W SCOTT PhD Asst Prof Soil Sci 25h R SEANEY PhD Asst Prof Agron and Plant Brdg 12E L STONE Jr PhD Prof For Soils

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## ANIMAL SCIENCE

123J K LOOSLI PhD Prof Anim Nutr and Head of Dept 34H R AINSLIE PhD Assoc Prof Anim Sci

3RAYMOND ALBRECTSEN MS Prof Anim Sci

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Agriculture - Continued

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123R S SMITH PhD Prof Farm Finance

2D P SNYDER MS Res Assoc

2LELAND SPENCER PhD Senior Res Assoc 4B F STANTON PhD Prof Farm Mgt

123R P STORY PhD Prof Mktg

12W G TOMEK PhD Assoc Prof Prices

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23R J AMES MS Assoc Prof Ext Teaching and Inform

Inform

23KATHERINE E BARNES BS Instr Ext Teaching and Inform

3LOUISE BOYLE BA Asst Ed Ext Teaching and Inform 12R F G CAMPBELL PhD Asst Prof Ext Teaching and

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Agriculture- Continued

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3D S GLIDDEN BA Television Spec

123Mrs EMILIE T HALL AB Asst Prof Editor Home Econ 123L W KAISER BFA Assoc Prof Ext Teaching and Inform

23Y H KIM MA Ext Spec Ext Teaching and Inform

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123C C RUSSELL MJ Assoc Prof

3Mrs PATRICIA M SHORT BS Asst Ed Home Econ

230 G VANBUSKIRK BS Ext Spec

3CLAUDE WALBERT MS Ext Spec

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## Agriculture- Continued

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12J G FRANCLEMONT PhD Prof Ent

123G G GYRISCO PhD Prof Ent

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13A A MUKA PhD Prof Ent

12R L PATTON PhD Prof Insect Physiol

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## Agriculture - Continued

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1Mrs ANN M ELLIOTT BFA Lecturer Freehand Drawing

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23J W LORBEER PhD Assoc Prof Veg Dis

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12H M MUNGER PhD Prof Plant Brdg and Veg Crops

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12ORA SMITH PhD Prof Veg Crops
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7255

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#### 7260 Home Economics-Continued

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7270

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	3MARJORIE SHEARIN MS Spec in Creative Crafts
	3VIRGINIA WILSON MA Spec in Chg Ext Foods and
Entomology 7440	Nutr
123E HSMITH PhD Prof and Head of Dept Fruit Insects	3CHARLOTTE M WOMBLE MS In Chg Housing and
12R C AXTELL PhD Assoc Prof Med and Vet Ent	House Furnishings
12C H BRETT PhD Prof Veg Insects	rioube i uninsimigo
2W M BROOKS PhD Asst Prof Insect Path	
12W V CAMPBELL PhD Assoc Prof Forage Crop Insects	ADULT EDUCATION
5W E CLARK PhD Adjunct Prof Insect Physiol	3R J DOLAN PhD Assoc Prof
12W C DAUTERMAN PhD Assoc Prof Pesticide	3C M FERGUSON MS Vis Prof
Metabolism	3Mrs EMILY H QUINN PhD Assoc Prof 3GEORGE RUSSELL PhD Asst Prof
3J M FALTER PhD Ext Asst Prof Field and Fruit Crops	
12M H FARRIER PhD Assoc Prof Forest Insects and	3F S SLOAN BS Prof
Acarology	
12F E GUTHRIE PhD Prof Insecticide Resistance	F. 18.6.
12ERNEST HODGSON PhD Prof Insect Phospholipids	Food Science 7460
2M D JACKSON MS Instr Anal and Methods	123W M ROBERTS PhD Prof and Head of Dept Dairy
12W J MISTRIC PhD Prof Tob Insects	Prods
12H B MOORE PhD Asst Prof Wood Pests	12L W AURAND PhD Prof Food Chem
2D A MOUNT MS Instr Insect Survey	5T A BELL MS Assoc Prof Food Fermentation
12H H NEUNZIG PhD Assoc Prof Biol	12R J BINGHAM PhD Asst Prof Dairy Chem
12R L RABB PhD Prof Tobacco Insects	12T N BLUMER PhD Prof Meat Prods

#### Food Science-Continued

2F F BUSTA PhD Asst Prof Food Microbiol 3J A CHRISTIAN MS Ext Prof Meat Prods

2W Y COBB PhD Asst Prof Peanut Prods

2R A COWMAN PhD Instr Food Microbiol

12H B CRAIG PhD Assoc Prof Meat Prods

2R S DAHIYA PhD Asst Prof Food Microbiol

25J L ETCHELLS PhD Prof Food Fermentation

5H P FLEMING PhD Asst Prof Food Fermentation

12DANIEL FROMM PhD Assoc Prof Poultry Prods
2S F. GILLILAND PhD Instr Food Microbiol

123M E GREGORY PhD Ext Assoc Prof Dairy Prods

2M W HOOVER PhD Prof Veg Proc

12I D JONES PhD Prof Fruits

12V A JONES PhD Assoc Prof Food Engin 3N C MILLER MS Ext Assoc Prof Fruit and Veg Prods

5A E PURCELL PhD Assoc Prof Fruits and Veg 123M I. SPECK Wm Neal Revnolds Prof Food Microbiol

12H E SWAISGOOD PhD Asst Prof Food Chem

23F R TARVER PhD Ext Assoc Prof Poultry Prods 3F B THOMAS PhD Ext Assoc Prof Seafood Prods

5W M WALTER PhD Asst Prof Fruits and Veg 12F G WARREN PhD Prof Dairy Prods

## Forestry

7470 12R J PRESTON Jr PhD Prof and Head of Dept and

Dean of Sch of For 1K A ARGOW MS Instr For Mgt

12A C BAREFOOT DF Assoc Prof For Prods

12R C BRYANT PhD Prof For Mgt

1R M CARTER MS Prof For Prod

1H D COOK BS Asst Prof For Prod

3R S DOUGLASS MF Ext Spec For Mgt

12J W DUFFIELD PhD Prof Silvic 12E L ELLWOOD PhD Prof For Prods

12R C GILMORE MWT Asst Prof For Prod

12W L HAFLEY PhD Assoc Prof For Mgt

3LEONARD HAMPTON BS Ext For Spec For Mgt

12C A HART PhD Assoc Prof For Prod

12R G HITCHINGS MF Assoc Prof For Prods

3L H HOBBS BS Ext For Mktg Spec For Prods

3W T HUXTER MWT Ext Spec For Prods

12B A JAYNE PhD Prof For Prods

2J W JOHNSON BSF Instr For Mat

3E M JONES MS Ext Spec Silvic 3J C JONES MF Ext For Spec For Mgt 3W M KELLER MF In Chg For Ext

2R C KELLISON MS Instr For Brdg

23W E KEPPLER BS Ext Spec For Prod

12J O LAMMI PhD Prof For Mot

12C G LANDES ChE Asst Prof For Prod 2R L McELWEE MS Instr For Brdg

5S J MADDOCK MA Asst Prof For Mgt

12T E MAKI PhD Prof Silvic
7L J METZ PhD Ady Prof For Mgt

12T O PERRY PhD Assoc Prof For Brdg
2J H ROBERDS MS Instr For Brdg
12L C SAYLOR PhD Asst to Dean and Assoc Prof For Brda

12A J STAMM PhD Prof For Prods

3W M STANTON MF Ext For Spec For Mgt

12D H J STEENSEN PhD Asst Prof For Mgt

3W B STUART MF Ext Spec For Mgt

7S K SUDDARTH PhD Adj Prof For Prod

12R J THOMAS DF Assoc Prof For Prod

3R E THOMASON MS Ext Spec For Prod

2B F SWINDEL MS Instr For Mgt 3N C WEIDHASS MS Ext Spec For Prod

3F E WHITFIELD MS Ext For Spec For Mat

12B J ZOBEL PhD Prof For Brdg

# Genetics

7490

12T J MANN PhD Prof and Head of Dept Genet 1C H BOSTIAN PhD Prof Human Genetics 2Mrs M PFLUGE GREGORY PhD Assoc Genet Plant Evolution (Peanuts)

12D S GROSCH PhD Prof Reproductive Physiol

## Genetics-Continued

12W D HANSON PhD Prof Quantitative Genetics (Com)

12W E KLOOS PhD Assoc Genet

12KEN-ICHI KOJIMA PhD Prof Quantitative Genet (Drosophila)

2C S LEVINGS PhD Asst Prof Cytogenetics (Com) 2D F MATZINGER PhD Prof Quantitative Genetics (Tobacco)

12L E METTLER PhD Assoc Prof Population Genetics (Drosophila)

2R H MOLL PhD Prof Quantitative Genetics (Com) 5GENE NAMKOONG PhD Assoc Prof Quantitative Genet (Forestry)

12H E SCHAFFER PhD Asst Prof Quantitative Genet (Drosophila)

12R H SCHAIBLE PhD Asst Prof Developmental Genetics 5W M SCHUTZ PhD Asst Prof Quantitative Genetics (Sovbeans)

12B W SMITH PhD Prof Cytogenetics (Rumex)

12S G STEPHENS PhD Prof Plant Evolution (Cotton) 5C W STUBER PhD Asst Prof Quantitative Genetics

(Com)

2A C TRIANTAPHYLLOU PhD Assoc Prof Cytogenetics (Nematodes)

## Home Economics (The University of N C at Greensboro)7490

12NAOMI ALBANESE PhD Prof and Dean of Sch 12JANE H CROW PhD Prof Housing

2Mrs KATE B GARNER MS Res Instr Child Devlpmt

2Mrs ANN E HERRIN MS Res Instr Child Devlpmt

2Mrs NANCY H HOLMES MS Res Instr Housing
12PAULINE E KEENEY PhD Prof Textiles

12A C MAGEE PhD Assoc Prof Nutr

12I V SPERRY EdD Prof Child Devlpmt

#### Horticultural Science

7500

12F D COCHRAN PhD Prof and Head of Dept 12W E BALLINGER PhD Prof Fruit Physiol

3A A BANADYGA MS Ext Prof Veg Crops

3J F BROOKS MS Ext Asst Prof Fruits

12T F CANNON PhD Assoc Prof Ornam Hort 12F E CORRELL MS Asst Prof Fruits

3H M COVINGTON MS Ext Prof Veg Crops

12A S FISH PhD Asst Prof Fruits

12G J GALLETTA PhD Assoc Prof Fruit Brdg

12M E GARDNER BS Prof Emeritus Gen

3J H HARRIS MS Ext Prof in Chg Home Beaut 12F L HAYNES PhD Prof Pot Brdg and Genet

12W R HENDERSON PhD Asst Prof Veg Brdg

3G R HUGHES BS Ext Instr Veg Crops

2J M JENKINS Jr PhD Prof Plant Brdg (PO Castle Havne)

3M H KOLBE MS Ext Prof Fruits

2T R KONSLER PhD Assoc Prof Veg Crops (PO Fletcher Rte 2)

5L J KUSHMAN MS Prof Physiol

12R A LARSON PhD Assoc Prof Flor 23J W LOVE PhD Ext Assoc Prof Flor

12C L McCOMBS PhD Prof Veg Physiol

12C H MILLER PhD Assoc Prof Veg Nutr 12P V NELSON PhD Asst Prof Flor

2W B NESBITT PhD Asst Prof Fruit Brdg

2D T POPE PhD Prof Sweet Pot Brdg

3W W REID BS Ext Asst Prof Veg (PO Plymouth)

3W A SKROCH PhD Ext Asst Prof Fruits 23R J STADTHERR PhD Ext Assoc Prof Ornam

2V H UNDERWOOD BS Res Instr Fruits

2D C ZEIGER PhD Asst Prof Fruit Nutr

(PO Fletcher Rte 2)

## Microbiology

12J B EVANS PhD Prof and Head of Dept Bact Physiol 12W J DOBROGOSZ PhD Assoc Prof Bact Metabolism

12G H ELKAN PhD Assoc Prof Bact Physiol 12J J PERRY PhD Assoc Prof Bact Physiol

Plant Pathology	7510	Sociology and Anthropology- Continued
123D E ELLIS PhD Prof and Head of Dept Veg Dis	Ś	13C P MARSH MS Ext Assoc Prof Ext Eval
2J L APPLE PhD Tobacco Dis		12G C McCANN PhD Prof Social Psychol
2ROBERT AYCOCK PhD Prof Floral Crop Dis		
2K R BARKER PhD Assoc Prof Nematode Dis 12C N CLAYTON PhD Prof Fruit Dis		S. 11 S. 1
2W E COOPER PhD Prof Pegnut Dis		Soil Science 7540
12E B COWLING PhD Assoc Prof For Path		123R J McCRACKEN PhD Prof and Head of Dept 3J V BAIRD PhD Ext Assoc Prof Fert Mgt
3H E DUNCAN PhD Ext Asst Prof Veg Dis		23J S BARNES BS Instr Fert Mgt (PO Plymouth)
3H R GARRISS MS Ext Prof Path		12W V BARTHOLOMEW PhD Prof Soil Bact
2G V GOODING Jr PhD Asst Prof Tob Dis		2N M BERENYI PhD Vis Asst Prof Internati Soil
2P B HAMILTON PhD Adj Asst Prof For Path		Testing Proj
12T T HEBERT PhD Prof Plant Virol		2C P BICKFORD MS Instr Fert Mgt (PO Castle Hayne)
25C S HODGES Jr PhD Assoc Prof For Path		2S W BUOL PhD Assoc Prof Soil Genesis Classif
2DONALD HUISINGH PhD Asst Prof		2R B CATE MS Vis Assoc Prof Internati Soil Testing
12SF JENKINS Jr PhD Asst Prof Veg Dis		Proj
2T K KIRK MS Instr For Path		12M G COOK PhD Assoc Prof Soil Mineralogy
125D M KLINE PhD Assoc Prof Cereal Dis		2FRCOX PhD Assoc Prof Fert Mgt
25J W KOENIGS PhD Adj Asst Prof For Path		2G A CUMMINGS PhD Assoc Prof Fert Mgt
25E G KUHLMAN PhD Adj Asst Prof For Path		5R B DANIELS PhD Soil Sci Soil Genesis Classif and
12G B LUCAS PhD Prof Tobacco Dis		Mapping
25C E MAIN PhD Res Asst Prof Tob Dis (PO Oxfo		2C B DAVEY PhD Prof Forest Soils
23R D MILHOLLAND PhD Ext and Res Asst Prof I	lor	3J F DOGGETT BS Ext Asst Prof Fert Mgt 5E E GAMBLE PhD Soil Sci Soil Genesis Classif
Crops Dis (PO Castle Hayne) 12R T MOORE PhD Asst Prof Mycology		
2L W NIELSEN PhD Prof Sweet Pot Dis		and Mapping  2E F GOLDSTON BS Asst Prof Soil Genesis Classif
12C J NUSBAUM PhD Wm Neal Reynolds Prof Tob		and Mapping
Dis		12J W GILLIAM PhD Asst Prof Soil Chem
25L H PERSON PhD Res Assoc Prof Epidem		2A H HUNTER PhD Vis Assoc Prof Intern Soil
3D V PHILLIPS PhD Ext Asst Prof		Test Proj
12N T POWELL PhD Assoc Prof Tobacco Dis		2W A JACKSON PhD Prof Min Nutr
25J P ROSS PhD Assoc Prof Soybean Dis		12E J KAMPRATH PhD Prof Fert Mgt
12J N SASSER PhD Prof Nematode Dis		2R A LEONARD MS Instr Soil Chem
25R T SHERWOOD PhD Assoc Prof Forage Drop D	is	2CHRISTINE LIAO MS Instr Internat  Soil Testing
25J A SPENCER MS Res Instr Cotton Dis		Proj
2D L STRIDER PhD Res Assoc Prof Veg Dis		12J F LUTZ PhD Prof Soil Phys
(PO Fletcher Rte 2)		3C K MARTIN PhD Ext Asst Prof Fert Mgt
23F A TODD BS Ext Prof Tob Dis		2C B McCANTS PhD Prof Fert Mgt
12Mrs HEDWIG H TRIANTAPHYLLOU PhD Assoc	Prof	2R E McCOLLUM PhD Asst Prof Fert Mgt
Nematode Morphol		2J R PILAND MS Assoc Prof Soil Chem
2F L WELLMAN PhD Vis Prof Tropical Phytopath		26P H REID PhD Prof Fert Mgt and Dir Soil Testing
3J C WELLS MSA Ext Prof Path		Lab  2J E SHELTON PhD Asst Prof Fert Mgt (PO Fletcher
25R E WELTY PhD Res Assoc Mycotoxins		Rte 2)
		12C D SOPHER MS Instr Soil Mgt
Poultry Science	7520	23D L. TERRY MS Instr Fert Mgt
123H W GARREN PhD Prof and Head of Dept Physi		2R J VOLK PhD Prof Min Nutr
2C W BARBER DVM PhD Prof Emeritus Path	01	2J L WALKER PhD Vis Asst Prof Intern Soil Test Proj
2W L BLOW PhD Assoc Prof Genet		2D L WAUGH PhD Vis Asst Prof Intem Soil Test Proj
1T T BROWN MS Assoc Prof Gen		12S B WEED PhD Assoc Prof Soil Chem
3H L BUMGARDNER PhD Ext Assoc Prof Physiol		2W G WOLTZ PhD Prof Fert Mgt
2F W COOK PhD Assoc Prof Emeritus Physiol		2W W WOODHOUSE Jr PhD Prof Fert Mgt Forages
12F R CRAIG DVM Prof Path		
12W E DONALDSON PhD Assoc Prof Nutr		
12J D GARLICH PhD Asst Prof Nutr		Statistics (Expt) 7550
23J R HARRIS DVM Ext Prof Path		12D D MASON PhD Prof and Head of Dept Design and
2C H HILL PhD Prof Nutr		Anal Expt
12M R KARE PhD Prof Physiol		12R L ANDERSON PhD Prof Design and Anal Expt 1B B BHATTACHARYYA PhD Asst Prof Econometrics
12B J LANG PhD Asst Prof Genet		12C C COCKERHAM PhD Prof Statis Genet
3G A MARTIN PhD Ext Assoc Prof Genet 3W C MILLS Jr PhD Ext Prof In Chq Gen		1S J M ENGLAND MA Res Assoc Technol Meth Inst
3T B MORRIS MS Ext Assoc Prof Gen		Meas
2D D PATE PhD Asst Prof Microbiol		1H J GOLD PhD Assoc Prof Math Biophys
12W R PRINCE PhD Asst Prof Physiol		1A H E GRANDAGE PhD Prof Est and Test Parametr
3J B WARD PhD Ext Assoc Prof Nutr		1R J HADER PhD Prof Design and Anal Expt
		12W L HAFLEY PhD Assoc Prof For Biomet
		2H K HAMANN MS Assoc Stat Design and Anal Expt
Sociology and Anthropology	7530	12D W HAYNE PhD Prof Surv Meth
123S C MAYO PhD Prof and Head of Dept Communit	У	1L J HERBST PhD Assoc Prof Time Series Anal
7H G BEARD EdD Assoc Prof Educ		1J C KOOP PhD Assoc Prof Sampling Techniq
3J N COLLINS BS Ext Instr Community Devlpmt		1R R LASSITER MS Asst Stat Statis in Quant Ecol  12H L LUCAS PhD Prof Design and Anal Expt
3J W CRAWFORD BS Ext Prof Community Devlpmt		1R E MASON MSA Asst Stat Statis in Quant Ecol
12A C DAVIS MS Asst Prof Fam and Social Psycho 12W L DRABICK PhD Res Assoc Prof Social and E		1F E McVAY PhD Prof Anal Statis
3J D GEORGE MS Ext Prov Community Devlpmt	June	12R J MONROE PhD Prof Biomet-Biostatis
12C H HAMILTON PhD Prof Demography and Socia	1	2L A NELSON PhD Assoc Prof Design and Anal Expt
Statis		12C H PROCTOR PhD Prof Surv Meth
3T N HOBGOOD Jr MS Ext Asst Prof Community		1C P QUESENBERRY PhD Assoc Prof Design and
Devlpmt		Anal Expt
3R W LONG MS Ext Asst Prof Community Devipmt		12J O RAWLINGS PhD Assoc Prof Statis Genet

#### NORTH CAROLINA

## 1R W STACY PhD Prof Math Biophys 1R G D STEEL PhD Prof Design and Anal Expt 1B J STINES MS Asst Stat Surv Meth 1H R VAN DER VAART PhD Prof Math Applied to Statis Riol Prob 12F J VERLINDEN MS Res Assoc Technol Digital Comput 12J A WARREN PhD Assoc Prof Design and Anal Expt Zoology 7560 12B S MARTOF PhD Prof and Head of Dept Vertebrate $2\infty 1$ 12C W ALLISTON PhD Assoc Prof Reproductive Physiol 6J W ANGELOVIC PhD Adj Asst Prof Physiol Ecol (Coop USDI) 1F S BARKALOW PhD Prof Mammalogy 6 VERNE CUNNINGHAM BS Rodent Control (Coop USDI) 6T W DUKE PhD Adi Asst Prof Marine Biol (Coop USDIY 3H M FIELDS BS Ext Wildlife Spec Mgt 12REINARD HARKEMA PhD Prof Parasitology 1W W HASSLER PhD Assoc Prof Ichthyology 6F E HESTER PhD Assoc Prof Fishery Biol (Coop (ICSDI) 12J E HOBBIE Vis Asst Prof Limnology 2D B HORTON PhD Asst Prof Marine Biol 2R E LUBOW PhD Assoc Prof Experimental Behavior 12G C MILLER PhD Assoc Prof Parasitol 12T L QUAY PhD Prof Omithology 6T R RICE PhD Adj Prof Marine Radiobiol (PO Beaufort) (Coop USDI) 12J F ROBERTS PhD Asst Prof Cellular Physiology 12B T SATHER PhD Asst Prof Physiol Ecol 6C L SCHELSKE PhD Adj Asst Prof Marine Radiobiol (Coop USDI) 12W F STANDAERT PhD Asst Prof Ecology 12A M STUART PhD Assoc Prof Behavior of Invertebrates 6J G VANDENBERGH PhD Adj Asst Prof Behavior of Vertebrates 6RICHARD WILLIAMS PhD Adj Asst Prof Marine Ecol (Coop USDI) Research Stations 7570 26C D THOMAS MS Dir of Div of Res Sta(s) 2S Y ADCOCK BS Agr Engin 6B N AYSCUE BS Admin Off (Under State Dept Agr) 2L N McGILL BS Agr Engin Border Belt Tobacco Res Sta PO Whiteville --6W J DICKENS BS Supt (Under State Dept Agr) Central Crops Res Sta PO Clayton --2W C ALLSBROOK Supt Coastal Plain Res Sta PO Willard-6J W SUMNER BS Supt (Under State Dept Agr) Coastal Plain Veg Res Sta PO Faison --2C K BATTEN BS Supt Hort Crops Res Sta PO Castle Hayne --2J M JENKINS Jr PhD Supt and Res Prof Lower Coastal Plain Tobacco Res Sta (PO Kinston) 2B U KITTRELL BS Supt Mt Hort Crops Res Sta PO Fletcher --2H E BLACKWELL BS Supt Mt Res Sta PO Waynesville --6J R EDWARDS MS Supt (Under State Dept Agr) Oxford Tobacco Res Sta PO Oxford --56 J M CARR BS Supt (Under State Dept Agr) Peanut Belt Res Sta PO Lewiston -6W R BAKER Jr BS Supt (Under State Dept Agr) Piedmont Res Sta PO Salisbury --6C Z McSWAIN Jr BS Supt (Under State Dept Agr)

Sandhills Res Sta PO Jackson Springs --2C S BLACK MS Supt

6J W SMITH BS Supt (Under State Dept Agr)

6H R COX BS Supt (Under State Dept Agr)

Upper Coastal Plain Res Sta PO Rocky Mount --

Tidewater Res Sta PO Plymouth --

Statistics (Expt)\_Continued

Research Stations - Continued Upper Mt Res Sta PO Laurel Springs --6D F TUGMAN BS Supt (Under State Dept Agr) Upper Piedmont Research Station PO Reidsville--2H O GENTRY Jr BS Supt Miscellaneous 7575 123J P BOOKER Jr BS Bus Off 23A J COUTU PhD Dir Agr Mission to Peru and Prof Econ 2R J DOWNS PhD Dir Phytotron Unit and Prof Bot 2J W FITTS PhD Dir Internatl Soil Testing Prog and Prof Soil Sci 26A V HARDY MS Climatel (Coop USDC) 2H V MARSHALL Jr BS Supt Univ Farms
23J A RIGNEY MS Regional Res Adv Comm on Inst Coop AID and Prof Expt Statis 2CARMEN MARIN LS Dir Tob Lit Serv School of Agriculture and the Agricultural Extension Service of the Agricultural and Technical College of North Carolina, Greensboro 27411 1College Staff 2Station Staff 3Extension Staff \$Coop USDA 6Part-time College 4Leave of Absence Staff 7580 13L C DOWDY LittD Pres (Tel 919-273-1773 Ext 314) 1G S RANKIN PhD Dean of Instr (Tel 919-273-1773 Ext 277) 13B C WEBB PhD Dean Sch of Aar (Tel 919-273-1773 Fxt 233) 3R E JONES MS Dir of Ext (Tel 919-274-4696) Agricultural Economics 7590 1H F ROBINSON PhD Chmn 6B W HARRIS MS Asst Prof 6F A WILLIAMS PhD Prof Agr Econ Agricultural Education 7600 ICEDEAN MS Chmn 1A P BELL MS Assoc Prof Agr Educ 6G F RANKIN PhD Prof Agr Educ Animal Industry 7610 1W L KENNEDY PhD Chmn 1TALMAGE BREWER MS Asst Prof Anim Husb 1A CHAPPELL MS Instr Anim Husb 1J E GREER MS Asst Prof Anim Hush 14J W KEARNEY MS Assoc Prof Dairy Mfg 1P P THOMPSON MS Poultry Spec 14A S TOTTEN MS Assoc Prof Poultry Husb 3R L WYNN Dairy Spec 7620 Biology 1A P GRAVES PhD Chmn NOAH BROWN MS Instr Biol 1Mrs ELIZABETH D CLARK MS Asst Instr IC R A CUNNINGHAM MS Assoc Prof Biol 1ALFRED HILL PhD Prof Ent

Chemistry

7630

1G A EDWARDS PhD Chmn 6R S BEALE PhD Prof Chem 1EVANS BOOKER MS Asst Prof Chem 1NAITER M CHOPRA PhD Prof Chem

1Mrs ALFREDA J WEBB DVM MS Prof Biol

1EUGENE MARROW PhD Prof Biol

1T McFADDEN MS Instr Biol

4G C ROYAL PhD Prof Bact

IW H MITCHELL MA Instr Biol

1J A WILLIAMS PhD Prof Biol

Chemistry-Continued

1JAMES PENDERGRAST PhD Prof Chem 1Mrs GLADYS W ROYAL PhD Prof Chem IWALTER SULLIVAN PhD Prof Chem ISAMUEL VON WINBUSH PhD Prof Chem IW G WRIGHT MS Asst Prof Chem

Home Economics

7640

1Mrs CLARA V EVANS MS Chmn 3Mrs HELEN BRANFORD Dist Home Econ Agt 1Mrs ANN L DAVIS MS Assoc Prof Clothing 1Mrs CECILE H EDWARDS PhD Prof Nutr 6SEETHA GANAPATHY PhD Home Econ Research 3Mrs GENEVIEVE K GREENLEE Home Econ Spec IMIS MARGUERITE N HARGRAVE MA Asst Prof Home Econ

1Mrs EVELYN G JONES MS Asst Prof Nutr 1KATRINA PORCHER MA Asst Prof Home Econ 3Mrs BESSIE B RAMSEUR Home Econ Spec 14MYRTLE L SMITH MS Instr Home Econ IMrs KATYE G WATSON MEd Instr Nursery School Educ

3Mrs JOSEPHINE W PATTERSON Dist Home Econ Aqt

Plant Science and Technology

7650

1S J DUNN PhD Chmn 1E S CARR BS Instr Agr Engin 3T W FLOWERS Ext Hort Spec IC A FOUNTAIN PhD Prof Hort 1JWR GRANDY BS Instr Hort 3S J HODGES Agron Spec 1M P McCLEAVE MS Instr Hort 6B C WEBB PhD Prof Plant Sci

1L A YATES MS Instr Agr Engin

Miscellaneous

7660

3Mrs MINNIE M BROWN Asst State Home Econ Agt 3W C COOPER MS 4-H Spec 6H A JOHNSON MS Supt Col Farms 3L R JOHNSON Dist Agr Agt 6W T JOHNSON MS Sup Voc Agr 3H M McNEILL Dist Agr Agt 3J A SPAULDING Dist Agr Agt

## NORTH DAKOTA

College of Agriculture, the Agricultural Experiment Station, and the Agricultural Extension Service of the North Dakota State University of Agriculture and Applied Science, State University Station, Fargo (Freight and exp address, Fargo 58102)

1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA

7670

123H R ALBRECHT PhD Pres IL D LOFTSGARD PhD Vice Pres 237-7654)

12A G HAZEN MS Deam of Agr and Dir of Sta (Tel 701-AD-5-6411 Ext 245 or 279) 12J A CALLENBACH PhD Assoc Dean and Assoc Dir 12P A NYSTUEN MS Asst Dean and Asst Dir

2MARY E FIELDS Admin Asst to Dir 3A H SCHULZ MS Dean of Ext (Tel 701-237-7755) 1EDYTHE L TORING Bus Mgr

IR J CORLISS BS And Bus Mor

Agronomy 12J F CARTER PhD Prof and Chmn of Dept 7680

12R E BOTHUN PhD Assoc Prof Plant Brdg 12D C EBELTOFT MS Asst Prof Seed Stocks 12A E FOSTER PhD Assoc Prof Plant Brdg

12R C FROHBERG PhD Asst Prof Plant Brdg

Agronomy - Continued

3L A JENSEN BS Prof Agron 12K L LARSON PhD Assoc Prof Forage Crops 25K L LEBSOCK PhD Prof Agron 2K A LUCKEN PhD Asst Prof Plant Brdg 12H R LUND PhD Assoc Prof Plant Brdq 12S S MAAN PhD Asst Prof Cytogenet 3L W MITICH PhD Assoc Prof Agron 12J D NALEWAJA PhD Asst Prof Weed
12G A PETERSON PhD Assoc Prof Plant Brdg 12P C SANDAL PhD Prof Plant Brdg 12A B SCHOOLER PhD Assoc Prof Cytogenetics 12G S SMITH PhD Prof and Dean of Grad Sch Plant Brdg 2C M SWALLERS MS Asst Prof Crop Prod 2WILLIAM WIIDAKAS MS Assoc Prof Plant Brdg 25N D WILLIAMS PhD Prof Genet

Animal Science

7690

12M L BUCHANAN MS Prof and Chmn of Dept 25P W ASCHBACHER PhD Assoc Prof 12L D BECK MS Asst Prof Dairy
2D W BOLIN MS Assoc Prof Nutr Biochem 12R B DANIELSON BS Instr Beef 12W E DINUSSON PhD Prof Anim Nutr 12C G EDGERLY MS Assoc Prof Dairy 12D O ERICKSON PhD Asst Prof Anim Nutr 3G R FISHER PhD Assoc Prof Dairy 124C N HAUGSE MS Asst Prof Statis 12CHRIS JENSEN PhD Prof Dairy 12J N JOHNSON MS Asst Prof Swine 3L J JOHNSON PhD Asst Prof Asst An Husb 12V K JOHNSON PhD Assoc Prof Meats 3M A KIRKEIDE MS Assoc Prof Anim Husb 12R D KNUTSON MS Asst Prof Beef Cattle 12CLINTON KOPP BS Instr Sheep 12M R LIGHT MS Assoc Prof Sheep 3H J McLEOD MS Assoc Prof Dairy Mkgt Econ 3I J MORK BS Assoc Prof Poultryman 12C D PETERSON BS Instr Swine 3G E STRUM MS Prof Anim Husb 25E J THACKER PhD Prof Physiology 12J E TILTON MS Asst Prof Physiology

Veterinary Science

12M F ANDREWS DVM AB Prof and Chmn of Dept 2R W BARNES DVM Asst Prof 12F M BOLIN DVM Prof 2P K McILWAIN MS Asst Prof 12I A SCHIPPER DVM MS Assoc Prof 12G E STAPLES DVM Assoc Prof 2Mrs JENNY TURN BS Tech Asst

Bacteriology

7730

12J L PARSONS PhD Prof and Chmn of Dept 12J A DOUBLY MS Asst Prof 12R S FULGHUM PhD Asst Prof 12B R FUNKE PhD Asst Prof 12B P SLEEPER PhD Prof

Biochemistry (Agr)

7740

12H J KLOSTERMAN PhD Prof and Chmn of Dept 12ESTHER BLASL BS Tech and Asst Agr Chem 12R B MEINTZER PhD Assoc Prof 2R H SMITH BS Asst in Agr Chem 25D C ZIMMERMAN PhD Chem

Botany

7750

12W C WHITMAN PhD Prof and Chmn of Dept 12M E DUYSEN PhD Asst Prof 12HAROLD GOETZ MS Asst Prof 12J E GROSS MS Asst Prof 25C R SWANSON PhD Prof

7760~7840

Cereal Technology	7760	Extension Administration	78 10
12K AGILLES PhD Prof and Chmn of Dept		3Mrs MARILYN BACKMAN BS Assoc Prof Asso	
20 J BANASIK MS Assoc Prof		Home Econ Leader	C
2C E McDONALD PhD Assoc Prof		3S W BALE MS Prof Dist Supvr	
2D G MEDCALF PhD Asst Prof		3Mrs RUTH S BRUEGGER BS Assec Prof Asso	
25A J PINCKNEY MS Chem		State 4-H Leader	С
25W C SHUEY BS Res Technol			
2L D SIBBITT Assoc Prof		3M S BURKE BS Prof Dist Supvr	
2D E WALSH MS Instr		3Mrs GLADYS N HANSEN BS Assoc Prof Assoc	2
25V L YOUNGS PhD Asst Prof		State 4-H Leader	
234 S TOONGS FIID ASSEFTOR		30 E JACOBSON BS Assoc Prof Admin Asst	
		3P R KASSON MS Prof Asst Dir for County Prod	7
Economics (Agr)	7770	3T A MARTINDALE MS Prof Dist Supr	
12FR TAYLOR PhD Prof and Chmn of Dept	7770	3C R MONTGOMERY MS Prof Asst Dir for Yout	
		3D E PALMER MS Assoc Prof Assoc State 4-H	
12D E ANDERSON MS Asst Prof Crops Mktg		3Mrs SHIRLEY S WEEKS PhD Prof Asst Dir for	Fam
12D O ANDERSON PhD Assoc Prof Prod and Re	esource	Living	
Econ		3J D WESTRA BS Asst Prof Asst State 4-H Lea	ider
3R A ANDERSON MS Asst Prof Farm Mgt Econ	ļ.	3R B WIDDIFIELD MS Prof Assoc Dir for Prog	
12D W COBIA PhD Asst Prof			
2R W COX PhD Prof Mktg			
3N A DOROW PhD Prof Econ Public Affairs		Home Economics	7820
12G W ERLANDSON MS Asst Prof		1F CAROLINE BUDEWIG EdD Dean of Col	
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1C M HARRIS MA Acquisit Spec Inform Retrieval Div 1J W HENSEL PhD Assoc Prof Agr Educ

1HARRY HUFFMAN PhD Prof Educ (Bus and Off Occup Educ)

1Mrs E G LOVEJOY BA BS Index-Abstract Ed (Inform Retrieval Div)

1SYLVIA L LEE EdD Asst Prof Home Econ Educ

1A J MILLER EdD Asst Prof Educ (Tech Educ)
1N E VIVIAN PhD Assoc Prof Educ (Distrib Educ)

1Mrs C I WILSON MS Coord (Inform Retrieval Div)

## Engineering (Agr)

7980

7975

123R E STEWART PhD Prof and Chmn Farm Structures 12W H JOHNSON PhD Prof and Assoc Chmn Power and Mach (PO Wooster)

12H J BARRE PhD Prof Form Structures

1J L BLAISDELL PhD Asst Prof Food Technol

3J D BLICKLE MS Prof and Ext Agr Engin (Bldgs)

14B L BONDURANT MS Prof Soil and Water

125R D BRAZEE PhD Assoc Prof Fine Part Phys and Turbul Diffus (PO Wooster)

13D M BYG MS Assoc Prof Elec Power and Proc

Engineering (Agr)- Continued

12R B CURRY PhD Assoc Prof Soil and Water (PO Wooster)

125J L FOUSS MS Instr Soil and Water

3W E GILL MS Asst Prof and Ext Agr Engin (Form Mach)

12 3 E HALL MS - Asst Prof Elect over and Proc (PO Wooster)

12M Y HALSEY Phil. A. of Prof Power and Mach. IW F HAMIL TON Consult

12K A HARKNESS MS Instr Elec Power and Proc

125L L HARROLD CE Prof Soil and Water

IMARA J'AAKINS Spilled Trng

12] F HEARY BS Instr Power and Mach (PO Wooster) 1F L. LERUM PnD - Assoc Prof Elec Power and Proc

12S G HUBLIR MS Assor Prof Power and Mach IC E JOHNSON PhD Prot Farm Snops

3B L NOLTE MS - Instrum ! Ext Agr Engin Watershed Devlomt

3M L PALMER MS Ass. . . . . . . Agr Engin Water Mat

3D L PFOST MS | Instr and Ext Aprentin Farm Elec 125R C REEVE MS | Assoc Prot Soil and Water

12W L ROLLER PhD Assoc Prof Farm Structures 3W R SCHNUG BS Instrand Ext Agr Engin (Farm Elec)

12G O SCHWAB PhD Prof Soil and Water

12E P TAIGANIDES PhD Assoc Prof Soil and Water
15L S WILLARDSON MS Instr Soil and Water

## Home Economics (Sch of)

8010

123DOROTHY D SCOTT EdD Prof and Assoc Dean and Dir Sch Educ

12D LOIS GILMORE PhD Prof and Assoc Dir Clothing 1LUCILE B ALEXANDER MS Assoc Prof and Asst Dir Home Econ Educ

3EDNA E AKERS MS Assoc Prof and Ext Spec Clothing

1Mrs LENA M BAILEY MS Instr Home Econ Educ IRUTH M BEARD MS Assoc Prof Household Equip IGRACE R BECKWITH MS Asst Prof Home Econ Educ 1ROBBIE BLAKEMORE PhD Asst Prof Housing ICLARICE E BLOOM MS Asst Prof Household Equip 1Mrs NAOMI H BLODGETT MS Consult Home Econ Educ

1MARIAN R BUTLER MS Instr Textiles 13BEATRICE J CLEVELAND MS Prof and Asst State Leader 4-H

1DORA E COLVER MS Asst Prof Nutr

1MARION CREMER MS Instr Institut Mgt IJULIA I DALRYMPLE PhD Prof Home Econ Educ

12RUTH E DEACON PhD Prof Home Mgt Fam Econ 3LOIS M DENEKE MEd Asst Prof and Ext Spec Home Mgt 14Mrs JEAN D DICKERSCHEID MS Instr Child Devlpmt

1MARIE M DIRKS PhD Prof Home Econ Educ 13VIRGINIA M EVANS MS Instrand Asst St Ldr 4-H

1Mrs VELMA V EVERHART MS Asst Prof Housing and Furnish

1DOROTHY J FOSTER MA Asst Prof Home Econ Educ 12Mrs DORIS E FULTON MS Instr Home Mgt 1Mrs M ELLEN GOLDSBERRY MS Instr Textiles and Clothing

1MARY E GREEN PhD Assoc Prof Food and Nutr 1Mrs MARY H HAAS PhD Assoc Prof Home Econ Educ MMS PAULINE G HALL MS Assoc Prof and Ext Nutr
1VIRGINIA F HARGER MS Assoc Prof Inst Mgt
3Mrs ORENA M HAYNES MS Assoc Prof and Ext Spec

Clothing 1Mrs NOREJANE J HENDRICKSON PhD Prof Child

Develor:t 3MARIAN E HERMANCE MS | Asst Prof and Ext Spec

Inst Mgt IMrs JOAN E HERR MS Asst Prof Food and Nutr 12HELENE HEYE PhD Prof Child Devlpmt

13Mrs NAURINE R HIGGINS MS Prof and Asst Dir Ext Home Econ

 12Mrs FERN E HJNT PhD
 Asst Prof Household Equip

 12R M JOHNSON Jr
 PhD

 13VIVIAN L JOHNSTON MS
 Assoc Prof and Asst St Lar

Home Econ

8010-8040 OHIO

Home Economics (School of)- Continued

14Mrs EDNA R KAUFMAN PhD Prof Fam Devlpmt 3CATHERINE A KNARR MS Asst Prof and Ext Spec Home Mgt

12MARY LAPITSKY PhD Assoc Prof Textiles ISYLVIA L LEE PhD Asst Prof Home Econ Educ 1Mrs MARTHA N LEWIS MS Assoc Prof Nutr IFLORENCE L LLOYD MS Assoc Prof Home Mgt Fam Econ

12FRANCILLE MALOCH PhD Assoc Prof Home Mgt Fam

Econ 13MARILYN A MASON BS Instrand Asst Ext Ed Home Econ Journal (Radio)

13ANITA R McCORMICK MS Asst Prof and Asst State Ldr Home Econ Ext

12ESTHER A MEACHAM PhD Assoc Prof Textiles and Clothing

IMARY M MILLICAN MS Assoc Prof Textiles and Clothing

IMrs MARY A MONTELM" Asst Prof Home Econ Educ 12G J MOUNTNEY PhD Assoc Prof Food and Nutr 12CHRISTINE NEWARK PhD Prof Home Mgt Fam Econ 12Mrs JUDITH E NORTH MS Instr Food and Nutr 13GERALDINE OLSON PhD Instr Ext Spec Fam Econ 12Mrs INEZ PRUDENT PhD Prof Food 1Mrs TWYLA R RIDDER MS Instr Home Econ Educ 13MABEL M SARBAUGH MS Asst Prof and Asst State

Ldr Home Econ Ext 1Mrs AGNES S SMITH MS Asst Prof and Mar Pomerene Refect

IJACQULYN L SMITH ME Lect Child Devlpmt 3DORIS L SNOOK MS Asst Prof and Ext Spec Housing and Furnishings

3MABEL L SPRAY MA Prof and Ext Spec Fam Econ IALMA F TAPSCOTT MA Asst Prof Textiles 1Mrs CLARIBEL M TAYLOR PhD Asst Prof Fam Devloat

1Mrs CATHERINE C VAUGHN MA Asst Prof Home Econ Educ

12VIRGINIA M VIVIAN PhD Assoc Prof Nutr 134FANCHON F WARFIELD MA Assoc Prof and Leader of Ext Training Home Econ

1J OLWEN WILLIAMS MA Asst Prof Home Econ Educ 124Mrs EVA D WILSON PhD Prof and Assoc Chmn Nutr 1ESTHER A WINTERFELDT MS Asst Prof Inst Mgt

Horticulture and Forestry

123F S HOWLETT PhD Chmn and Prof Pomol 12E K ALBAN PhD Prof Veg Crops

13E S BANTA MS Assoc Prof Ext Pomol 12J M BEATTIE PhD Asst Dir OARDC and Prof Pomo! (PO Wooster)

3W M BROOKS MS Asst Prof Ext Veg Crops 12W N BROWN PhD Prof Veg Crops

12G A CAHOON PhD Assoc Prof Pomol (PO Wooster)

3J L CALDWELL MS Assoc Prof and Ext Flor 12L C CHADWICK PhD Prof Flor and Ornamen

13W F COWEN Jr MF Prof Ext For

12C W DONOHO Jr PhD Prof Pomol (PO Wooster)

12J F GALLANDER PhD Asst Prof Hort Proc (PO Wooster)

12J R GEISMAN PhD Assoc Prof Hort Proc

12W A GOULD PhD Prof Hort Proc

12F O HARTMAN PhD Prof Pomol

12R G HILL Jr PhD Prof Pomol (PO Wooster)

1R M JOHNSON Jr PhD Prof Nutr

12D C KIPLINGER PhD Prof Flor and Ornam

12D W KRETCHMAN PhD Assoc Prof Pomol-Veg Crops (PO Wooster)

12K W REISCH PhD Prof Flor and Ornam

23H K TAYAMA PhD Asst Prof Ext Flor 13R D TOUSE MS Assoc Prof Ext For

3E C WITTMEYER BS Prof Ext Veg Crops

**Poultry Science** 

8030

8020

123R E COOK PhD Prof and Chmn Genet 12K I BROWN PhD Assoc Chmn and Prof Physiol (PO Wooster)

Poultry Science-Continued

123R L BAKER PhD Prof Pol Mkt (Econ) 12E H BOHL PhD Prof Microbiol (PO Wooster)

12" D CHAMBERLIN BS Asst Prof Pol (PO Wooster)

1234P C CLAYTON PhD Assoc Prof Mktg

12W R HARVEY PhD Prof Genet 12R G JAAP PhD Prof Genet

3E M MALINOVSKY MS Assoc Prof and Ext Spec Prod 13G A MARSH DVM MS Assoc Prof and Ext Spec Dist

Cont

12G J MOUNTNEY PhD Assoc Prof Food Tech

12F C NABER PhD Prof Nutr 12K E NESTOR PhD Asst Prof Genet (PO Wooster)

12S P TOUCHBURN PhD Assoc Proi Nutr (PO Wooster)

124A R WINTER PhD Prof Prod

#### Veterinary Medicine: (College of Veterinary Medicine)

8040

ADMINISTRATION

1W R KRILL DVM Prot and Dean of Col

ANATOMY

12W G VENZKE DVM PhD Prof and Chmn Dept and Asst Dean and Secy of Col

1M Y ANDRES DVM PhD Assoc Prof IC D DIESEM DVM PhD Prof

1AARON HOROWITZ DVM PhD Asst Prof

1W K LATSHAW DVM MS Instr

MICROBIOLOGY

1J P KREIER DVM PhD Asst Prof

MEDICINE

1V L THARP DVM Prof and Chmn Dept and Dir of Clinics

IGWENDOLYN B CARSON PhD Asst Prof

1J C DONHAM DVM Assoc Prof

1E F DONOVAN DVM Prof

1H M GARDNER DVM Asst Prof ISHARON L MARTIN DVM MS Asst Prof

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1W K WEARLY DVM Assoc Prof

1R G WHITEUS DVM MS Assoc Prof 1MILTON WYMAN DVM MS Instr

PARASITOLOGY

1F R KOUTZ DVM MS Prof and Chmn Dept

1H F GROVES DVM MS Assoc Prof

1M W SCOTHORN DVM MS Asst Prof

PATHOLOGY

1C R COLE DVM PhD Prof and Chmn Dept and Asst

Dean

IC C CAPEN DVM PhD Asst Prof

1R L FARRELL DVM PhD Prof

1R A GRIESEMER DVM PhD Prof

1LOUIS KASZA DVM MS Asst Prof

1ADALBERT KOESTNER DVM PhD Prof

1W F LOEB DVM MS Asst Prof 13G A MARSH DVM MS Assoc Prof

IG E MC KISSICK DVM PhD Asst Prof

PHYSIOLOGY AND PHARMACOLOGY 1C R SMITH DVM PhD Prof and Chmn Dept

ICAROLYN M GALL DVM Instr

1ROBERT HAMLIN DVM PhD Asst Prof

12W D POUNDEN DVM PhD Prof Physiol

1T E POWERS DVM PhD Assoc Prof

1R S RAY DVM PhD Asst Prof

1R W REDDING DVM PhD Prof

PREVENTIVE MEDICINE

12J H HELWIG DVM MS Prof and Chmn Dept and Dir

Con Educ

1R C ADAMS DVM Lect 1J D BENDER DVM Lect

12E H BOHL DVM PhD Prof

OHIO 8040\_8070

## Veterinary Medicine: (College of Veterinary Medicine) - Continued

1REX BULLER DVM Instr

1H E GOLDSTEIN DVM Lect

1D O JONES DVM MPH Prof IP A LINERODE DVM MS Instr

1C E ROBINSON DVM Asst Prof

12W J TYZNIK PhD Prof 1T A WITTICH DVM Lect

### SURGERY AND RADIOLOGY

1R L RUDY DVM MS Prof and Chmn Dept and Assoc Dir of Clinics

1A A GABEL DVM MS Ass∞ Prof

IR B HEATH DVM Instr

IL E JOHNSON DVM MS Prof

IP W PENNOCK DVM. Instr.

IW J ROENIGK DVM MS Assoc Prof

1G P WILSON DVM MS Assoc Prof

#### Zoology and Entomology (College of Biological 8050 Sciences)

12G W WHARTON PhD Prof and Chmn Parasitol

123R W RINGS PhD Prof and Assoc Chmn Agr Ent (PO Wooster)

12W C MYSER PhD Prof and Asst Chmn Radiat Biol

125B D BARRY PhD Asst Prof Agr Ent (PO Wooster)

123B DBLAIR PhD Assoc Prof Agr Ent

16T A BOOKHOUT PhD Asst Prof Wildlife Mgt

12D J BORROR PhD Prof Biogcoust

12J D BRIGGS PhD Prof Inverteb Path
1N W BRITT PhD Assoc Prof Limonol

1A P BROCKWAY PhD Asst Prof Insect Physiol

1Mrs BARBARA F BROCKWAY PhD Asst Prof

1T J BYERS PhD Asst Prof Cytol

1P A COLINVAUX PhD Asst Prof Ecol

12J L CRITES PhD Assoc Prof Parasitol

1C A DAMBACH PhD Dir Nat Resources Instit

12R H DAVIDSON PhD Prof Agr Ent

12F W FISK PhD Assoc Prof Insect Physiol

123H Y FORSYTHE Jr PhD Assoc Prof Agr Ent (PO Wooster)

12M L GILTZ PhD Assoc Prof Anim Ecol

123D L GOLEMAN PhD Prof Ext Spec Pestic Educ

12E E GOOD PhD Assoc Prof Wildlife Mgt

12J B GRIFFING PhD Prof Popul Genet 12W R HARVEY PhD Prof Popul Genet

1J G HAUB PhD Prof Inverteb Physiol

12R P HOLDSWORTH Jr PhD Prof Agr Ent

IV L HOUSE PhD Assoc Prof Genet

IC S JOHNSON PhD Assoc Prof Conserv

12D E JOHNSTON PhD Asst Prof Acorol (PO Wooster)

1F W KESSLER PhD Asst Prof Ornithol
12WILLI KNULLE DSc Assoc Prof Insect Physiol (PO Wooster)

1G J LAUER PhD Assoc Prof Limnol
1J N MILLER PhD Prof Parasitol

12W T MOMOT PhD Asst Prof Fish Manag

12L R NAULT PhD Asst Prof Agr Ent (PO Wooster)

12H D NIEMCZYK PhD Assoc Prof Agr Ent (PO Wooster)

1W B PARRISH PhD Assoc Prof Elect Micros 1T J PETERLE PhD Prof Populat Ecol

1H L PLAINE PhD Assoc Prof Genet

12J B POLIVKA PhD Assoc Prof Agr Ent (PO Wooster)

1J W PRICE PhD Prof Verteb Zool

1L S PUTNAM PhD Prof and Dir Stone Lab Ornithol

1C R REESE PhD Assoc Prof Ornithol

23R I ROSE MS Instrand Surv Entomol Agr Ent

12W C ROTHENBUHLER PhD Prof Anim Genet

12G F SHAMBAUCH PhD Assoc Prof Insect Physiol (PO Wooster)

12R V SKAVARIL PhD Asst Prof Biometry

123J P SLEESMAN PhD Prof Agr Ent (PO Wooster) IG B STAIRS PhD Asst Prof Insect Virol

1D H STANSBERRY PhD Assoc Prof An Ecol

13W A STEPHEN MSA Prof Ext Spec Apic

13T M STOCKDALE MS Instr Ext Spec Wildlite

IC P STONE MS Instr Wildlife Mat

## Zoology and Entomology (College of Biological Sciences)- Continued

IS H TAUB MS Asst Prof Fish Mgt
IW M TIDD PhD Prof Parasitol

1M B TRAUTMAN Curator and Lect Ichthyol

12R E TREECE PhD Assoc Prof Agr Ent (PO Wooster)

1C A TRIPLEHORN PhD Assoc Prof Ent Taxon

1B D VALENTINE PhD Assoc Prof Herpetol

12C E VENARD PhD Prof Medical Ent

12C R WEAVER PhD Prof Biomet (PO Wooster)

#### Ohio Agricultural Research and Development Center Woo ster 44691

1College Staff 2Station Staff 3Extension Staff #Leave of Absence 5Coop USDA 6USDC

8040

123R M KOTTMAN PhD Dir (PO Columbus) (Tel Columbus A/C 614, 293-6891)

12L L RUMMELL MS LLD Dir Emeritus

12W E KRAUSS PhD DSc Assoc Dir (Tel Wooster A/C 216-264-1021)

12J M BEATTIE PhD Asst Dir

12R H BOHNING PhD Asst Dir (PO Columbus)

124R E YODER PhD Asst Dir

123R P WORRALL PhD Admin Asst to the Dir (PO Columbus)

12E E DARROW PhD Fiscal Liaison Officer (PO Columbus)

2H A HESSON Bus Mor

2T F WONDERLING BS Coord of Res Oper

#### Agronomy

2070

123% W VOLK PhD Prof and Chmn (PO Columbus)

12R R DAVIS PhD Prof and Assoc Chmn Turf

12S R ANDERSON PhD Prof Forage Crops (PO Columbus) 12T G ARSCOTT PhD Assoc Prof Tropical Soils (PO

Columbus) 12K L ADER PhD Assoc Prof Turf (PO Columbus)

12R O BECKER MS Consultant Seed Impr (PO Columbus)

12L E BENDIXEN PhD Assoc Prof Plant Physiol Weeds

(PO Columbus) 25R S BROWN Collab in Conserv (PO Columbus)

125R CLARK PhD Asst Prof Plant Physiol Corn 12E J DOLLINGER PhD Prof Com Genet

25J R DONELSON BS Instr Cereal Chem

125W R FINDLEY Jr PhD Assoc Prof Plant Genet Corn

124R E FRANKLIN PhD Assoc Prof Soil Chem (PO

Columbus)

123G R GIST PhD Prof and Ext Agron Forage Crops (PO Columbus)

123D W GRAFFIS PhD Assoc Prof and Ext Agron Forage Crops (PO Columbus)

12FAZ HAGHIRI PhD Assoc Prof Soil Chem Radio Ecol

12G F HALL PhD Asst Prof Pedol (PO Columbus)

125H K HEIZER BS Asst Prof Cereal Chem

12D E HERR PhD Asst Prof Crop Prod (PO Columbus)

12F L HIMES PhD Assoc Prof Fert (PO Columbus)
123D J HOFF PhD Prof Soil Fert (PO Columbus)

12NICHOLAS HOLOWAYCHUK PhD Prof Pedology (PO Columbus)

123J B JONES Jr PhD Prof Soil Fert

12D L KATTERHEINRICH BS Instr Crop Prod

25L T KISSEL BA Instr Cereal Chem

12H N LAFEVER PhD Asst Prof Plant Genet Wheat

12E O McLEAN PhD Prof Soil Phys Chem (PO Columbus)

12H J MEDERSKI PhD Prof Plant Physiol

12R H MILLER PhD Asst Prof Soil Bact (PO Columbus) 123R W MILLER PhD Asst Prof Crop Prod (PO Columbus)

12M H NIEHAUS PhD Asst Prof Plant Genet (Grasses)

124J L PARSONS PhD Prof Forage Crops

12L T PIEROF BS Climatol (PO Columbus)
12D A RAY PhD Prof Plant Genet Orts and Barley

(90 Columbus)

8070-8130 OHIO

12: L SCHMIDT PhD Asst Prof Soil and Water Conserv

12P E SMITH PhD Prof Plant Genet Soybeans (PO

Agronomy-Continued

Columbus)

2F R ALLAIRE PhD Asst Prof Anim Genet (PO 123E W STROUBE PhD Asst Prof and Ext Agron Weedicides (PO Columbus) Columbus) 12P H STRUTHERS PhD Asst Prof Soil Chem Strip 12W J BRAKEL PhD Prof Anim Genet Anim Husb (PO Columbus) Mine Reclam 12G S TAYLOR PhD Prof Soil Phys (PO Columbus) 125E W BRUM PhD Asst Prof Anim Genet (PO Columbus) 12G B TRIPLETT Jr PhD Assoc Prof Crop Prod 12H R CONRAD PhD Prof Anim Nutr 12D M Van DOREN PhD Prof Soil Phys 12R W Van KEUREN PhD Prof Pastures 12N S FECHHEIMER PhD Prof Cytogenet (PO Columbus) 12W R GOMES PhD Asst Prof Physiol Reprod Steroids (PO Columbus) 12L P WILDING PhD Assoc Prof Soil Mineralogy (PO 12W R HARVEY PhD Prof Anim Genet Popul Statis Columbus) 12J H WILSON BS Instr Soil And (PO Columbus) 12J W HIBBS PhD Prof Anim Nutr 125W T YAMAZAKI PhD Prof Cereal Chem 12H C HINES PhD Asst Prof Immunochem Genet (PO 124R E YODER PhD Prof Soil Fert Columbus 12H E KAESER MS Asst Prof Anim Husb, Anim Nutr (PO Columbus) 12W E KRAUSS PhD DSc Prof Anim Nutr Animal Science 2020 12T M LUDWICK PhD Prof Physiol Reprod Anim Genet 123G R JOHNSON PhD Prof and Chmn Sheep (PO (PO Columbus) Columbus) 2V A NEUHARDT BS Instr Anim Husb 12A L MOXON PhD Prof and Assoc Chmn Nutr 23W H RRUNER 3S Assoc Prof and Ext Spec Swine 12R M PORTER PhD Assoc Prof Anim Husb Immunochem 125E R RADER MS Instr Anim Genet (PO Columbus) (PO Columbus) 12V R CAHILL PhD Prof Meat Sci (PO Columbus) 2W H RAUSCH PhD Asst Prof Immunology (PO 12J H CLINE PhD Prof Nutr (PO Columbus) Columbus) 128 A DEHORITY PhD Assoc Prof Nutr 123W R TAYLOR MS Assoc Prof Dairy Rec Anim Genet 2A P GRIFO Jr MS Instr Nutr (PO Columbus) 12R R JOHNSON PhD Prof Nutr 12J K JUDY MS Instr Sheep (PO Columbus) 12E W KLOSTERMAN PhD Prof Beef Dairy Technology 123I A GOULD PhD Prof and Chmn (PO Columbus) 123R M KOTTMAN PhD Prof Genet (PO Columbus) 12W J HARPER PhD Prof Dairy Chem (PO Columbus) 12L T KUNKLE MS Prof Meat Sci (PO Columbus) 2K E McCLURE MS Instr Nutr 12THORVALD KRISTOFFERSEN PhD Prof Dairy Microbiol (PO Columbus) 12H W OCKERMAN PhD Assoc Prof Meat Sci (PO 123W L SLATTER PhD Prof Microbiol (PO Columbus) Columbus) 12C F PARKER PhD Assoc Prof Genet 2H W SCOTT MS Instr Nutr 12L, A SWIGER PhD Assoc Prof Genet (PO Columbus) Eastern Onio Resource Development Center, 81 25 Caldwell 43724 12H S TEAGUE PhD Prof Swine 2C B BOYLES MS Instr (Tel Caldwell A/C 614-12W J TYZNIK PhD Prof Nutr (PO Columbus) 23B D Van STAVERN PhD Assoc Prof and Ext Spec 732-2305) Meat Sci (PO Columbus) 2H H WEISER PhD Prof Microbiol (PO Columbus) 8130 Economics (Agr) and Sociology (Rural) 12G R WILSON PhD Asst Prof Beef (PO Columbus) 12F B McCORMICK PhD Prof and Acting Chmn Agr 12R F WILSON PhD Prof Swine (PO Columbus) Policy and Gen Agr Econ (PO Columbus) 12D W ADAMS PhD Assoc Prof Land Econ (PO Columbus) 12R A BAILEY PhD Prof Agr Credit (PO Columbus) 12R H BAKER PhD Prof Farm Mgt and Land Appraisal ลดจก Biochemistry (Agr) 12W E KRAUSS PhD DSc Prof and Acting Chmn (PO Columbus) 23W B BARR PhD Assoc Prof and Ext Econ Public 4F E DEATHERAGE PhD Prof Biochem Microbiol Affairs and Outlook (PO Columbus) (PO Columbus) 12E F BAUMER PhD Prof Dairy Mktg (PO Columbus) 12D K DOUGALL PhD Asst Prof Biochem Biosyn 2R E BENDER PhD Prof Agr Education (PO Columbus) 12J F SNELL PhD Prof Biochem Antimetabol (PO 12R H BLOSSER WS Prof Farm Mgt (PO Columbus) Columbus) 123J S BOTTUM PhD Assoc Prof Resource Devlpmt (PO Columbus) 12M E CRAVENS Jr PhD Prof Fruit and Veg Mktg (PO Columbus) 23D H DOSTER MS Instr and Ext Econ Farm Records **Botany and Plant Pathology** (PO Columbus) 12CURT LEBEN PhD Prof and Acting Chmn Antibiosis 12L J ALEXANDER PhD Prof Veg Dis Virol 12G C HIMES PhD Asst Prof Mktg and Gen Agr Econ (PO Columbus) 12G J SART PhD Asst Prof Shade Tree and Ornam Dis 123C H INGRAHAM PhD Asst Prof and Ag Bus Mgt 12R H BOHNING PhD Prof Plant Physiol (PO Columbus) 20 E BRADFUTE PhD Asst Prof and Micros (PO Columbus) 123R E JACOBSON PhD Assoc Prof Dairy Mktg (PO 12G E GILBERT FhD Assoc Prof Plant Ecol (PO Columbus) Columbus) 12T L JONES PhD Assoc Prof Agr Credit (PO Columbus) 12D T GORDON PhD Asst Prof Plant Physiol 12A R MANGUS PhD Prof Rural Soc (PO Columbus) 12L J HERR PhD Assoc Prof Flower Dis 123B W MARION PhD Asst Prof and Ext Spec Food 12E F PADDOCK PhD Assoc Prof Plant Genet (PO Columbus) Merchand (PO Columbus)

Dairy Science

(PO Columbus)

123N L VANDEMARK PhD Prof and Chmn Physiol Reprod

123L O GILMORE PhD Prof and Assoc Chmn Anim Genet

123J B MITCHELL PhD Prof and Ext Spec Rural Sociol

123J E MOORE MS Instr and Ext Econ Farm Mgt (PO

12G H PHILLIPS PnD Asst Prof Rural Social (PO

(PO Columbus)

Columbus)

Columbus)

8110

2H A RUNNELS MS Asst Prof Turf and Ornam Dis

12A F SCHMITTHENNER PhD Prof Forage Crop Dis

12L E WILLIAMS PhD Prof Cereal Crop Dis 2H F WINTER BS Assoc Prof Fruit Dis

(PO Columbus)

12C A SWANSON PhD Prof Plant Physiol Translocation

8130-8225 оню Economics (Agr) and Sociology (Rural)- Continued Home Economics-Continued 12MARY LAPITSKY PhD Assoc Prof Textiles (PO 12R H POLLOCK PhD Asst Prof Agr Mktg (PO Columbus) 12NORMAN RASK PhD Asst Prof Farm Mgt (PO Columbus) 12FRANCILLE MALOCH PhD Assoc Prof Home Mgt Fam Columbusi 12R M REESER PhD Assoc Prof Farm Mat (PO Columbus) Econ (PO Columbus) 12ESTHER A MEACHAM PhD Assoc Prof Textiles and 123J W SHARP PhD Prof Grain Mktg and Farm Supply (PO Columbus) Clothing (PO Columbus) 12E T SHAUDYS PhD Prof Farm Mgt (PO Columbus) 2G J MOUNTNEY PhD Assoc Prof Food (PO Columbus) 12Mrs JUDITH E NORTH MS Instr Nutr (PO Columbus) 12R W SHERMAN PhD Prof Agr Mktg (PO Columbus) 124J H SITTERLEY PhD Prof Farm Mat and Land Econ 12Mrs INEZ PRUDENT PhD Prof Food and Nutr (PO Columbus) (PO Columbus) 12VIRGINIA M VIVIAN PhD Assoc Prof Nutr 123M G SMITH PhD Prof Agr Policy and Foreign Agr Devlpmt (PO Columbus) (PO Columbus) 12H L STEELE PhD Assoc Prof Agr Mktg (PO Columbus) 12T T STOUT PhD Prof Livestock Mktg (PO Columbus) 8180 124J R TOMPKIN PhD Prof Farm Mat (PO Columbus) Horti cul ture 12D C TUCKER BS Instr Agr Statis (PO Columbus) 123F S HOWLETT PhD Prof and Chmn 12F E WALKER PhD Assoc Prof Quantitative Methods 12E K ALBAN PhD Prof Veg Crops (PO Columbus) 2J M BEATTIE PhD Prof Pomol (PO Columbus) 12W N BROWN PhD Prof Veg Crops (PO Columbus)
12G A CAHOON PhD Assoc Prof Pomol 124W A WAYT PhD Prof Land Econ (PO Columbus) 12H C WILLIAMS PhD Prof Prod Econ (PO Columbus) 12L C CHADWICK PhD Prof Ornam (PO Columbus) 12C W DONOHO Jr PhD Prof Pomol 12J F GALLANDER PhD Asst Prof Proc Electron Microscope Laboratory 8140 12J R GEISMAN PhD Assoc Prof Proc (PO Columbus) 20 E BRADFUTE PhD Asst Prof and Micros 12W A GOULD PhD Prof Proc (PO Columbus) 12F O HARTMAN PhD Prof Pomol (PO Columbus) Engineering (Agr) 12R G HILL Jr PhD Prof Pomol 8150 12MAKOTO KAWASE PhD Assoc Prof Ornam 123R E STEWART PhD Prof and Chmn Farm Structures 12D C KIPLINGER PhD Prof Flor (PO Columbus) (PO Columbus) 12D W KRETCHMAN PhD Assoc Prof Pomol and Veg 12W H JOHNSON PhD Prof and Assoc Chmn Power and

Mach Crops 25W A OITTO BS Asst Prof Fruit Brdg 12H J BARRE PhD Prof Form Structures (PO Columbus) 12K W REISCH PhD Prof Ornam (PO Columbus) 124B L BONDURANT MS Prof Soil and Water (PO

23H K TAYAMA PhD Assoc Prof Flor (PO Columbus) Columbus) 125R D BRAZEE PhD Assoc Prof Fine Part Phys and Turbul Diffus

12R B CURRY PhD Assoc Prof Soil and Water Library 2Mrs HELEN H ENLOW BE Instr and Libr 125J L FOUSS MS Instr Soil and Water (PO Columbus) 12G E HALL MS Asst Prof Elec Power and Proc

8170

12M Y HAMDY PhD Asst Prof Power and Mach (PO

12K A HARKNESS MS Instr Elec Power and Proc

250 K HEDDEN BS Prof Power and Mach

2J E HENRY MS Instr Power and Mach

125L L HARROLD CE Prof Soil and Water (PO Coshocton)

124F L HERUM PhD Assoc Prof Elec Power and Proc

12S G HUBER MS Assoc Prof Power and Mach

125R C REEVE MS Assoc Prof Soil and Water (PO

124W L ROLLER PhD Assoc Prof Farm Structures 12G O SCHWAB PhD Prof Soil and Water (PO Columbus)

12E P TAIGANIDES PhD Assoc Prof Soil and Water

12J P VIMMERSTEDT DF Asst Prof Soil Chem

123DOROTHY D SCOTT EdD Prof and Chmn (PO Columbus) 4Mrs EVA D WILSON PhD Prof and Assoc Chmn Nutr

12RUTH E DEACON PhD Prof Home Mgt Fam Econ

2Mrs DORIS E FULTON MS Instr Home Mg+ (PO

12D LOIS GILMORE PhD Prof Textiles and Clothing

12Mrs FERN E HUNT PhD Asst Prof Food and Equip

2R M JOHNSON Jr PhD Prof Nutr (PO Columbus)

2A R VOGT PhD Asst Prof Physiol

Columbus)

(PO Columbus)

Columbus)

Columbus)

Forestry

Home Economics

Poultry Science 123R E COOK PhD Prof and Chmn Genet (PO Columbus)
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4A R WINTER PhD Prof Nutr and Proc (PO Columbus)

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2G E PAGE MS Assoc Prof Power and Mach

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Crop Dis 12L F ROTH PhD Prof For Path

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Farm Crops-Continued Engineering (Agr)- Continued 12W R FURTICK PhD Prof Argon (Weeds) 5J K PARK MS Assoc Prof Power and Mach 3D H GATES PhD Assoc Prof Ext Range Mgt 12H R SINNARD MS Prof Structures and head of Dept 3N R GOETZE PhD Ext Farm Crops Spec 123E E HARDIN BS Asst Prof Seed Tech 12J W WOLFE PhD Prof Soil and Water 5A HAUNOLD Assoc Prof Agron (Hops) 12D W HEDRICK PhD Prof Range Mgt DIT HILL PhD Prof Agron (Emeritus) 8530 Entomology E R JACKMAN BS Ext Range Crops Mgt Spec (Emeritus) 12P O RITCHER PhD Prof Ent and Head of Dept 12N H ANDERSON PhD Asst Prof Aquatic Ent 12Mrs LOUISA A JENSEN BS Assoc Prof Seed Tech 12W E KRONSTAD PhD Asst Prof Agron (Cereals)
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2Mrs EVA BENSON MA Sr Instr Nutr	12M N WESTWOOD PhD Assoc Prof Hort (Pomol) 12Q B ZIELINSKI PhD Prof (Pomol)
3Mrs DOROTHY BROWN MS Asst Prot Home Furn Spec	( = ===== ( Grid)
12Mrs JANET BUBL MS Asst Prof Cloth Tex and Relat Arts  Mrs MARIE BUSSARD MS Asst Prof Food and Nutr  Mrs MARIAN C CARLIN MS Assoc Prof Fam Life  3ELAINE CARLSON MS Asst Prof Cloth Tex and  Relat Arts  14HELEN G CHARLEY MS Prof Foods and Nutr  1LAURA M CLEAVELANDMS Assoc Prof Inst Mgt  1MARIE DIEDESCH MS Assoc Prof Cloth Tex and	Information (Agr)  3A C EBERT ES Assoc Prof Ayr Inform Chmn  2R G MASON PhD Assoc Prof Expt Sta Ed  13W C REID PhD Prof Aud Vis Instr Spec  3R W SALISBURY BS Assoc Prof Ext Pub Spec  3W C SMITH BS Assoc Prof Agr Ext and Educ Media  3D M TAYLOR BS Asst Prof Inform Spec  3J E WILLIAMS AB Asst Prof Ext Agr Int Spec
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IMrs ELIZABETH C JOHNSON PhD Asst Prof Foo.is and Nutr IRUTH ANN JOHNSON MS Instr Inst Myt  Mrs ALBERTA JOHNSTON MS Assoc Prof Ext Spec Home Mgt  14LESTER A KIRKENDALL PhD Prof Fam Life IMARIE LEDBETTER MS Assoc Prof Cloth Tex &	5K C LU PhD Asst Prof Soil Microbiol 2R Y MORITTA PhD Prof Marine Microbiol 12L W PARKS PhD Prof Microbiol Physiol 12K S PILCHER PhD Prof Medical Microbiol 12W E SANDINE PhD Prof Dairy Microbiol
Relat Arts  12Mrs ANDREA MACKEY PhD Prof Foods and Nutr  1SABELLA F McQUESTEN MS Assoc Prof Home Econ Educ  1Mrs JANET MAYTHER Instr Fam Life  1DON MILLER VSW Asst Prof Fam Life  1Mrs DOROTHY S MILLER MS Asst Prof Fam Life  and Home Mat  1LORFAINE MILLER PID Asst Prof Foods and Nutr  1RUTH A MOSER MS Assoc Prof Cloth Tex and	Poultry Science  123 F PARKER PhD Prof Poultry Sci and Head of Dept  12G H ARSCOTT PhD Prof Poultry Nutr 3N L BENNION MS Prof Ext Poultry Spec  12P E BERNIER PhD Prof Poultry Genet  12J A HARPER MS Prof Poultry Sci (Turkeys)  12W H McCLUSKEY MS Assoc Prof Prod and Mgt
Relat Arts  1JOAN PATTERSON MFA Prof Cloth Tex and Relat Arts  12Mrs JEAN PETERS MS Asst Prof Foods and Nutr	Resident Instruction Administration 8670 123W T COONEY MS Dean of Sch of Agr 1W M LANGAN BS Head Counselor Sch of Agr
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Branch Stations-Continued Soils - Continued Sherman Expt Sta PO Moro 97039 12LARRY BOERSMA PhD Assoc Prof Soils (Physics) 42W E HALLMS Supt and Asst Prof Agron 12M D DAWSON PhD Prof (Fert) 2J T McDERMID BS Actg Supt and Asst Prof Agron 3E H GARDNER Assoc Prof (Fert) Southern Oregon Expt Sta PO Medford 97502 12M E HARWARD PhD Prof (Mineralogy) 2P B LOMBARD PhD Supt and Assoc Prof Hort 12T L JACKSON PhD Prof (Fert) 2P H WESTIGARD PhD Asst Prof Ent 3A S KING MS Prof Ext Land and Water Conserv Spec H H WHITE MS Prof Agron (Emeritus) 12E G KNOX PhD Prof Soils (Classif)
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Forest Products- Continued

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Information (For)

8724

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5B ZAK PhD Prin Plant Path Prof For Path

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13G H BERGGREN BS Assoc Prof Weed Control Ext

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25H B ENGLE MS Asst Prof Crop Brdg (PO Landisville) 12J K HALL MS Instr Soils Chem

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12J D HARRINGTON PhD Assoc Prof Crop Prod 13M R HEDDLESON PhD Asst Prof Field Crops Ext

13% W HINISH PhD Assoc Prof Field Crops Ext 12A S HUNTER PhD Prof Soil Fert

12L J JOHNSON PhD Asst Prof Soil Mineralogy 12M W JOHNSON Jr PhD Assoc Prof Crop Brdg

12L T KARDOS PhD Prof Soil Phys

2W L McCLELLAN PhD Asst Prof Crop Prod (PO Rector)

12J H McGAHEN MS Instr Crop Brdg 12G W McKEE PhD Assoc Prof Crop Ecol

12L F MARRIOTT PhD Assoc Prof Soil Fert

25H G MARSHALL PhD Adjunct Asst Prof Crop Brdg 12R P MATELSKI PhD Prof Soil Genesis

12ROGER PENNOCK Jr MS Asst Prof Soil Genesis

12A T PERKINS BS Instr Turf

12G W PETERSEN PhD Asst Prof Soil Genesis

12R P PFEIFER PhD Assoc Prof Crop Brdg

13E C PIFER MS Assoc Prof Field Crops Ext

12S M RALEIGH PhD Prof Weed Control
12R W RANNEY PhD Asst Prof Soil Genesis

12A C RICHER PhD Prof Soil Fert

12M L RISIUS PhD Asst Prof Crop Brdg

12J L STARLING PhD Assoc Prof Crop Brdg

12D V WADDINGTON PhD Asst Prof Turf

12J B WASHKO PhD Prof Crop Prod

2J O YOCUM BS Instr Crop Prod (PO Landisville)

Animal Science

123T B KING PhD Prof and Head of Dept

12J W BRATZLER PhD Prof Anim Nutr

13L A BURDETTE MS Instr Beef Cattle Ext 12R L COWAN PhD Prof Anim Nutr

13J P GALLAGHER MS Asst Prof Horse Ext

12J L GOBBLE PhD Assoc Prof Swine

12W J GRAY BS Instr Beef Cattle 12E W HARTSOOK PhD Prof Anim Nutr

12V E HAZLETT Asst Swine

12T V HERSHBERGER PhD Assoc Prof Anim Nutr

12G R KEAN MS Assoc Prof Meats 12EMERY KECK Jr MS Instr Anim Nutr

13F L KREUZBERGER BS Asst Prof Sheep Ext

12T A LONG PhD Asst Prof Anim Nutr

12T L MERRITT PhD Assoc Prof Sheep Horses

13BEN MORGAN BS Assoc Prof Beef Cattle Ext

12H R PURDY MS Assoc Prof Beef Cattle 12C S SHAFFNER Asst Sheep

12G W SHERRITT PhD Asst Prof Swine

12J D SINK PhD Asst Proi Meats

12J L WATKINS MS Instr Meats

13D E YOUNKIN MS Assoc Prof Swine Ext 12J H ZIEGLER PhD Asst Prof Meats

**Business and Personnel Services** 

123S I AUKER BA Head of Dept 12R H LAUCK Asst in Pers and Acct 13L R MILLER BA Admin Asst in Agr Ext

Communications (Agr)

12R S BEESE Asst Photog

12G D BENGTSON BS Asst Prof Agr Commun 123W I CASKEY BA Asst Pub Editor

123J F SCHINAGL MS Head of Dept

Communications (Agr) - Continued

13C O DOSSIN Jr BS Asst Visual Spec 13N E ENGLE BS Asst Prof Agr Ext 13W H FOLWELL III MA Asst Prof Ext Inform 13G W GOSS MS Assoc Prof Agr Ext 13N H GOTWALT MS Asst Prof Agr Commun 131 C HATCH BS Asst Prof Agr Commun 13Mrs CAROL J KERSAVAGE MA Instr Ext Inform 123J J McCLURE BA Pub Art Asst 13H F McFEELY BS Prof Ext Inform 13J W MacMILLAN BA Assoc Ed Spec 13ELWOOD MINTZ AB Asst Prof Agr Ext 13ALICE M MURRAY BS Assoc Prof Home Econ Ext 12S E NORTHSEN BA Asst Photog 12G A Van HORN MA Assoc Prof Agr Journalism

13B J. WILES BS Asst Rad-TV Editor

8770

Dairy Science 123D V JOSEPHSON PhD Prof and Head of Dept 13D L ACE MS Assoc Prof Dairy Mgt Ext 13R S ADAMS PnD Assoc Prof Dairy Nutr Ext 12J O ALMQUIST PhD Prof Dairy Reprod 12R P A.MANN PhD Asst Prof Dairy Reprod 13W P ANDERSON MS Instr Dairy Cattle Ext 13S E BARNARD MS Asst Prof Dairy Prod Ext 12A E BRANDING MS Res Asst Dairy Cattle 12P T CHANDLER MS Instr Dairy Nutr 12W H CLONINGER PhD Assoc Prof Dairy Mgt 12J F CONE PhD Prof Food Microbiol
12R W DIETZ MS Res Asst Dairy Reprod 12P S DIMICK PhD Res Assoc Dairy Chem 12R J FLIPSE PhD Assoc Prof Dairy Reprod 13H C GILMORE MS Prof Dairy Records Ext 12E D GLASS BS Instr Dairy Prod 12P G KEENEY PhD Assoc Prof Food Chem. 12E M KESLER PhD Prof Dairy Nutr 12 J E KINSELLA MS Res Asst Dairy Prod

12MANFRED KROGER PhD Asst Prof Dairy Prod 12R D McCARTHY PhD Assoc Prof Dairy Chem and Physiol

12R C MARTIG PhD Res Assoc Dairy Reprod 12J G PARSONS MS Res Asst Food Prod 12STUART PATTON PhD Prof Dairy Chem 13D N PUTNAM MS Assoc Prof Dairy Records Ext 13H E SHAFFER MS Prof Dairy Reprod Ext 13L W SPECHT PhD Assoc Prof Dairy Brdg Ext 13S B SPENCER MAgr Asst Prof Dairy Mgt Ext 12T Y TANABE PhD Asst Prof Dairy Reprod 13J S TAYLOR MS Prof Dairy Cattle Ext 12H W THOELE PhD Asst Prof Dairy Brdg 125M P THOMPSON PhD Adjunct Assoc Prof Dairy Sci 12G H WATROUS Jr PhD Prof Dairy Prod

8780 Economics (Agr) and Sociology (Rural)

123M E JOHN PhD Prof and Head of Dept 12W L BARR PhD Prof Farm Mgt

134J C BARRON BS Instr Agr Econ Ext (PO Doylestown)

13J F BAUERMANN MS Assoc Prof Agr Econ Ext 12R C BEALER PhD Assoc Prof Rural Social 12C A BECKER PhD Prof Agr Bus Mgt

12K R BENNETT PhD Prof Agr Statis and Expt Sta Statis

13A K BIRTH MS Assoc Prof Agr Econ Ext 13H J BONSER PhD Prof Rural Social Ext

12G E BRANDOW PhD Prof Agr Econ

13J E BROCKETT Jr MS Instr Agr Econ Ext (PO Lewistown)

123E J BROWN PhD Prof Rural Social

12W T BUTZ PhD Prof Agr Econ

13H T CAMPBELL MS Instr Agr Econ Ext (PO Erie)

13J R CARDENUTO MS Assoc Prof Rural Social Ext

13W M CARROLL MS Assoc Prof Agr Econ Ext

13J G COOPER MS Instr Farm Mgt Ext

12J H COPP PnD Assoc Prof Rural Social 13V E CROWLEY PhD Assoc Prof Farm Mgt Ext

125R T DAILEY MS Adjunct Instr Agr Econ (ERS)

13R B DONALDSON MS Prof Agr Econ Ext

123H F DORAN MS Asst Prof Agr Educ and Agri Econ Ext

Economics (Agr) and Socialogy (Rural)- Continued

124F C FLIEGEL PhD Assoc Prof Rural Sociol 12J C FREY PhD Prof Land Econ and Dir of Institute

for Res on Land and Water Resources 125T F FULLER MS Adjunct Instr Agr Econ (ERS)

13 JOHN GAUSS BS Prof Agr Econ Ext

12M C HALLBERG PhD Asst Prof Agr Econ

13D K HEASLEY PhD Instr Rural Social Ext

12R O HERRMANN PhD Asst Prof Agr Econ 12J S HOL I PhD Asst Prof Agr Econ

13F A HUGHES MS Prof Farm Mgt Ext

12R F HUTTON PhD Prof Farm Mgt

12J D JANSMA PhD Asst Prof Agr Econ

13W F JOHNSTONE MS Prof Agr Econ Ext

13B W KELLY MS Assoc Prof Farm Mgt Ext

12G W KING PhD Asst Prof Rural Social

123[ . G KIZER MS Instr Agr Econ

13W R KRIEBEL MS Asst Prof Agr Econ Ext 13S M LEMBECK MCP Asst Prof Agr Ext

125B F LONG MS Adjunct Instr Agr Econ (ERS)

12R H McALEXANDER PhD Prof Farm Mgt

13H L MOORE MS Assoc Prof Agr Econ Ext 13H E NEIGH MS Instr Consum Econ

125E J PARTENHEIMER PhD Adjunct Assoc Prof Agr Econ (ERS)

12C W PIERCE PhD Prof Agr Econ

12T S POLESKY BS Res Asst Agr Econ

13C W PORTER MA Assoc Prof Agr Econ Ext

13L V RUBRIGHT MS Asst Prof Agr Econ Ext (PO Pittsburgh)

12W A SCHUTJER PhD Asst Prof Agr Econ

13K R SLAMP MS Prof Agr Econ Ext

12H M SOUTHWORTH AB Prof Agr Econ

12A P STEMBERGER PhD Assoc Prof Mktq

12R A STRUBLE BS Res Asst Agr Econ

12Mrs THEOLA F THEVAOS BS Res Asst Rural Social 12D W THOMAS MS Asst Prof Rur Social

12C E TROTTER PhD Prof Mktg

13A O VOIGT MS Assoc Prof Agr Econ Ext

13A D VOSE MBA Asst Prof Agr Econ Ext (PO Wilkes-Barre)

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13L L YAGER MS Instr Agr Econ Ext (PO Gettysburg) 125G A ZEPP BS Adjunct Instr Agr Econ (ERS)

Education (Agr)

123D R McCLAY PhD Prof and Head of Dept 12FRANK ANTHONY PhD Assoc Prof Agr Educ 123H F DORAN MS Asst Prof Agr Educ and Agr Econ Ext

12T E HOERNER PhD Asst Prof Agr Educ 124N K HOOVER DEd Assoc Prof Agr Educ

12G M LOVE PhD Assoc Prof Agr Educ

12G Z STFVENS PhD Prof Agr Educ

Engineering (Agr)

123F W PEIKERT MS Prof and Head of Dept

12R A ALDRICH PhD Assoc Prof Agr Engin 12P M ANDERSON MS Assoc Prof Agr Engin

12H D BARTLETT MS Prof Agr Engin

124D C BEPPLER MS Instr Agr Engin

12J R BOOSE BS Instr Agr Engin

12J W CHICK Asst Agr Engin

13L S CLICK MS Asst Prof Agr Engin Ext

13F B GIVENS Jr MS Asst Prof Agr Engin Ext 13A R GROUT MS Asst Prof Agr Engin Ext

13B S HORNE MS Assoc Prof Agr Engin Ext 12G R KANN Asst Agr Engin

12R A KEPPELER PhD Assoc Prof Agr Engin

120 A KIMMEL MS Asst Prof Farm Mech

12W L KJELGAARD MS Assoc Prof Agr Engin 13J A McCURDY MS Assoc Prof Agr Engin Ext

12N N MOHSENIN PnD Prof Agr Engin

12E A MYERS PhD Assoc Prof Agr Engin

12M E SCHROEDER PhD Assoc Prof Agr Engin 12M D SHAW MS Assoc Prof Agr Engin

12K Q STEPHENSON MS Prof Agr Engin

13N H WOODING Jr MS Assoc Prof Agr Engin Ext

8790

8800

Entomology 8810 Farm Operations and Service 8830 123B F COON PhD Prof and Head of Dept 12J B KISTLER BS Instr Agr Engin and Supt 13L E ADAMS MA Prof Ent Ext 12DEAN ASQUITH MS Prof Fruit Insects (PO Arendtsville) 12D L BARRY BS Instr Chem Pesticides Forest Resources, School of 8840 12A W BENTON PhD Asst Prof Apic 123W W WARD DFor Prof and Dir of Sch 12W W BOYLE PhD Assoc Prof Insect Tax FORESTRY AND WILDLIFE 13W W CLARKE Jr BS Assoc Prof Apic Ext 12R A BARTOO MF Prof and Head of Dept 12F Y BORDEN PhD Asst Prof Soil Physics
13R S COCHRAN MS Asst Prof For Mktg and Util Ext 12J A COX PhD Prof Fruit Insects (PO North East) 125E D ECKESS MS Adjunct Asst Prof Plant Pest Control 12C D ERCEGOVICH PhD Assoc Prof Chem Pesticides (PO Ridgway) 12D E H FREAR PhD Prof Chem Pesticides and Dir 1R W DOUGLASS MS Asst Prof For (PO Mont Alto) of Pesticides Res Lab 12P E DRESS AS Asst Prof Biometrics 13S G GESELL BS Assoc Prof Ent Ext 13E P FARRAND MF Asst Prof For Mgt Ext 12W H KEARBY PhD Asst Prof For Ent 12P W FLETCHER PhD Prof For Soils 13HENRY MENUSAN Jr PhD Prof Ent Ext 12J L GEORGE PhD Assoc Prof Anim Ecol 12H D GERHOLD PhD Assoc Prof Plant Genet 12R O MUMMA PhD Asst Prof Chem Pesticides
12V A NELSON MS Instr Household and Indus Ent 124/4 K GODDARD DSc Prof For Mgt 12C W RUTSCHKY PhD Prof Morphol and Embryol 12R J HUTNIK PhD Assoc Prof Plant Physiol 12THOMAS SMYTH Jr PhD Assoc Prof In sect Physiol 12R N JORGENSEN DFor Adjunct Prof For Prod 12R J SNETSINGER PhD Assoc Prof Mushroom and 12RICHARD LEE PhD Asst Prof For Hydrol Ornam Insects 12H W LULL PhD Adjunct Prof For Hydrol 12R S STARK MS Res Asst Ornam Insects 13R C TETRAULT MS Instr Ent Ext 12R E MELTON MF Assoc Prof For Mgt
1H L MOSHER MF Asst Prof For Mgt (PO Mont Alto) 12H G TOWNSEND Jr MS Instr Insect Biol Control 12W H PFEIFFER BSF Asst Prof For Mgt (PO Mont 13E J UDINE Asst Ent Ext Alto) 12W G YENDOL PhD Assoc Prof Biol Control 13R C RODENBACH MF Asst Prof For Mktg and Util Ext (PO Tunkhannock) 12C J SAGMULLER MS Res Asst Watershed Mgt 12E J SCHREINER PhD Adjunct Prof For Genet Extension 13H K ANDERS MS Asst Dir and Prof Agr Ext 12H D SHIPMAN PhD Assoc Prof Weed Control 134J W BERGSTROM MS Asst to Dir and Instr Agr Ext 12R L SOLES MS Instr Plant Genet 134L H BULL BS Asst Dir and Prof Agr Ext 12W E SOPPER PhD Asst Prof Watershed Mgt 12C H STRAUSS MS Instr For Econ 13W C COCHRANE MEd Asst Dir and Prof Agr Ext 13M R DEPPEN MS Asst Dir and Asst Prof Agr Ext 1K J SWISHER MF Instr For Mgt (PO Mont Alto)
13R G WINGARD MS Assoc Prof Wildlife Mgt Ext 13M R LYNCH MS Asst to Dir and Assoc Prof Agr Ext 13E B TAIT MS Asst Dir and Assoc Prof Agr Ext WOOD SCIENCE AND THOSH CLOGY 13F S ZETTLE MS Asst Dir and Asst Prof Agr Ext 12% K MURPHEY PhD Head of Dept and Asst Prof For 13F E BORTZ BS Instr in Agr Ext and Asst State 4-H Prod Club Leader 12T L ELERS PhD Asst Prof Wood Prod 123E J BROWN PhD Prof Rur Soc and Agr Ext 12P C KERSAVAGE MS Instr For Prod 13J A CONDO MS Asst Prof Correspon Courses 12N A NORTON PhD Prof For Prod 12O A SCHMIDT MF Assoc Prof For Prod 13Mrs NELLIE E CONNELL BS Asst Prof Home Econ Ext and Asst State 4-H Club Leader 13ELLEN K GARBER MS Assoc Prof Home Econ Ext and Asst State Home Econ Leader 13S K GARBER BS Instr Agr Ext (PO Washington) Horticulture 8860 13BETTE L GODDARD MS Assoc Prof Home Econ Ext 123D E WALKER PhD Prof and Head of Dept and Asst State Home Econ Leader 12SAMUEL ATMORE Asst Hort 13W L HALDEMAN MS Asst Prof Correspon Courses 128 L BERGMAN Ph.D. Assoc Prof Plant Nutr 13P G HARR BS Instr Agr Ext and Asst State 4-H Club 13C S BITTNER PhD Prof Pomol Ext 13A C BOTACCHI MS Asst Prof Hort Ext (PO Butler)
12J E BREWER Jr PhD Asst Prof Ornam Hort Leader 13CATHERINE E HOLT MEd Asst Prof Home Econ Ext and Asst State Home Econ Leader 12W S CLARKE Jr MS Asst Prof Pomol 13C L HOWES MS Asst Prof Agr Ext and Asst State 12/RICHARD CRAIG PhD Asst Prof Plant Brdg 4-H Club Leader 12R G CREECH PhD Asst Prof Plant Brdg 13J C DUTT MS Prof Veg Crops Ext 12H K FLEMING MS Prof Point (PO North East) 13L G JINKS MS Asst Prof Agr Ext and Chmn Ext Youth Prog 13G W KEENER MS Asst Prof Agr Ext (PO Clarion) 13R F FLETCHER MS Prof Veg Crops Ext 13PATRICIA A KELLEY MEd Asst Prof Home Econ 12C W HAESELER PhD Assoc Prof Pomol (PO North Ext and Asst State 4-H Club Leader East) 13J A MACIALEK MEd Instr Agr Ext (PO Scranton) 12CHIKO HARAMAKI PhD Asst Prof Omam Hort 13E A MINTMIER MS Assoc Prof Agr Ext and Asst 12F N HEWETSON PnD Prof Poinol (PO Arendtsville) State 4-H Clut Leader 12C W HITZ PhD Prof Point 13H T MOON BS Asst Prof Agr Ext and Asst State 12F J McARDLE PhD Assoc Prof Hort 4-H Club Leader 12J W MASTALERZ PhD Prof Flor 13SANDRA A MOORE BS Instr Agr Ext (PO Philadelphia) 12R P MEAHL MS Prof Ornam Hort 13L ISABEL MYERS BS Assoc Prof Home Econ Ext 12C J NOLL MS Assoc Prof Oler and Asst State 4-H Club Leader 13J R NUSS Jr MS Instr Ornam Hort Ext 13P H B NORTON BS Instr Agr Ext (PC Huntingdon) 12M L ODLAND PhL Prof Oler 13ANN S NYGAARD MA Assoc Prof Home Econ Ext 134C S OLIVER MCd Asst Prof Ornam Hort Ext and Asst State Home Econ Leader 12P B PFAHL PhD Assoc Prof Flor 13J H REYBURN MS Asst Prof Agr Ext and Asst State 13J K RATHMELL Jr MS Assoc Prof Flor Ext (PO 4-in Club Leader Norristown) 13MARY K RISSINGER MA Prof Home Econ Ext and 12C M RITTER PhD Assoc Prof Pomol Asst State Home Econ Leader 12M H RUNNER MS Instr Hort 13R B SCHLOSSER 3S Instr Agr Ext (PO Meadville) 12C B SMITH PhD Prof Plant Nutr 13G H TEMPLE MS Asst Prof Agr Ext (PO Pottsville)
13W L WELKER MS Asst Prof Agr Ext (PO Greensburg) 12L D TUKEY PhL Assoc Prof Pomol 12J W WHITE PhD Asst Prof Flor

8874

8864

Pennsylvania Cooperative Wildlife Research Unit

126J S LINDZEY PhD Adjunct Assoc Prof Wildlife Mgt 126C R STUDHOLME BA Adjunct Asst Prof Wildlife Mat

Plant Pathalogy

123 IAMES TAMMEN PhD Prof and Head of Dept

13A H BAUER MS Assoc Prof Plant Path Ext 13R D BERGER PhD Asst Prof Turf and Forage Dis Ext

12J R BLOOM PhD Assoc Prof Root Dis Nematol

121 S BOYLE PhD Prof Plant Virol

12HERBERT COLE Jr PhD Assoc Prof Biol Cont Dis Turf

125G E ETTINGER MS Adjunct Instr Epidem

125R A HYRE PhD Adjunct Prof Epidem

12L R KNEEBONE PhD Prof Appl Mycol Mushrooms

12F H LEWIS PhD Prof Fruit Dis Control (PO Arendtsville)

12F L LUKEZIC PhD Asst Prof Forage Root Dis 12D R MacKENZIE BS Res Asst Corn Dis

12WILLIAM MERRILL Jr PhD Asst Prof For Path

12W R MILLS PhD Prof Potato Dis

12P E NELSON PhD Assoc Prof Ornam Dis 12R R NELSON PhD Prof Cer Path

13L P NICHOLS MS Prof Plant Path Ext

12T G PATTON Jr MS Res Asst Appl Mycol Mushrooms

12J M RUFFANER BS Res Asst For Path 12G L SCHEIFELE BS Res Asst Plant Path

12L C SCHISLER PhD Assoc Prof Appl Mycol Physiol

12J M SKELLY MS Res Asst For Path

12R F STOUFFER PhD Asst Prof Virol Fruit (PO Arendtsville)

13C F TAYLOR PhD Prof Fruit Dis Ext

12C C WERNHAM PhD Prof Corn Dis

12F A WOOD PhD Asst Prof For Path Air Pollution

123P J WUEST PhD Asst Prof Appl Mycol Mushrooms

**Poultry Science** 

8866

Head of Dept

12G O BRESSLER PhD Prof Poultry Mgt 12T W BURR BS Instr Poultry Sci and Mgr Poultry Plant

12E G BUSS PhD Prof Poultry Genetics

12E B HALE PhD Prof Anim Behavior

12A F HICKS Jr PhD Assoc Prof Poultry Genet

13F W HICKS PhD Assoc Prof Poultry Sci Ext 13H C JORDAN MS Asst Prof Poultry Sc: Ext

12J H MacNEIL PhD Asst Prof Poultry Prod

12W J MUELLER DSc Prof Poultry Nutr 12C L QUARLES MS Res Asst Poultry Mgt

**Veterinary Science** 

8870

123A L BORTREE DVM Prof and Head of Dept 12M O BRAUNE PhD Asst Prof Immuno Poultry Dis

12G R BUBASH BS Instr Microbiol Anim Dis

125C D CLARK VMD Adjunct Asst Prof Vet Sci

12H W DUNNE DVM PhD Prof Path Swine Dis

12R J EBERHART VMD Instr Physiol Dairy Cattle

12R F GENTRY DVMPhD Prof Virol Poultry Dis

12P J GLANTZ PhD Asst Prof Immunol

12STEPHEN GORDEUK VMD Assoc Prof Poultry Path

13S B GUSS VMD Prof Vet Sci Ext

12J F HOKANSON DVM Assoc Prof Vet Sci and Univ Vet 12J F KAVANAUGH DVM Asst Prof Vet Sci and Actg Dir Lab Anim Prog

2D C KRADEL DVM Asst Prof Anim Path

12W H PATTON DVM PhD Asst Prof Tissue Cult

12HANSJAKOB ROTHENBACHER DVM PhD Assoc Prof Histopathology

13L D SCHWARTZ DVM Assoc Prof Vet Sci Ext

124R E SWOPE VMD Assoc Prof Vet Sci

12ARIAN ZARKOWER DVM PhD Asst Prof Immunochem Dairy Cattle

8877

12VI.ADIMIR MICUDA MA Agr Lib

Callege of Home Ecanomics

1DOROTHY HOUGHTON PhD Acting Dean (814-

865-2515) 1Mrs ALIDA S HOTCHKISS PhD Asst Dean for Res

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1Mrs MARGARET S BASTUSCHECK BS Instr Home Econ

1Mrs JOAN L PERKINS BA Instr Home Econ 1Mrs MARION F WEBER MS Instr Home Econ

Child Development and Family Relationships

8876

1J H BRITTON PhD Prof Human Devlpt and Head of Dept

14C B BRODERICK PhD Assoc Prof Fam Relat IV De LISSOVOY PhD Assoc Prof Child Devlpmt and Fam Relat

13Mrs MARGUERITE L DUVALL MA Assoc Prof Child Devlpmt and Fam Life Ext

1STELLA R GOLDBERG EdD Asst Prof Child Devlpmt and Fam Relat

NIRENE E HARMS PhD Prof Child Devlomt and in chg Infant Devlpmt Group

1Mrs MARY W HICKS MA Instr Child Devlpmt and Fam Relat

1PATRICIA A HOUGHTON MS Instr Child Devlpmt 1Mrs PATRICIA S LANG MS Instr Child Devlpmt

1A W MELTON Jr BD Asst Prof Child Devlpmt and Fam Relat IWINONA L MORGAN PhD Prof Child Devlpmt and

Fam. Relat and Dir Nursey Sch

13W M SMITH Jr PhD Prof Fam Relat

1KATHERINE A STOOKSBURY MS Asst Prof Child Devlpmt

Clothing and Textiles

8878

12RUTH W AYRES PhD Prof Clothing and Textiles and Head of Dept

1Mrs AURELIA K ADAMS MEd Asst Prof Clothing and Textiles

13Mrs MABEL B BARTON BS Asst Prof Clothing Ext 12 BARBARA E DENSMORE PhD Assoc Prof Clothing and Textiles

1Mrs MARGARET W HAGER MS Asst Prof Clothing and Textiles

1J F KRAWIEC DEd Assoc Prof Clothing and Textiles

1Mrs LILLIAN B LARSON MA Assoc Prof Clothing and Textiles

1KATHLEEN A MOORE MS Instr Clothing and Textiles 13RUTH A NINE MS Asst Prof Clothing Ext 1A F TESI PnD Assoc Prof Clothing and Textiles 13BERNICE J THARP MS Asst Prof Cuothing Ext 1Mrs MARY D TROXELL MS Asst Prof Retailing 1Mrs NORMA P WALKER PhD Asst Prof Clothing and Textiles

Family Housing and Home Art

1W J McHALE EdD Assoc Prof Fam Housing and Home Art and Chmn of Div

1R L GRAHAM MA Instr Fam Housing and Home Art 13G D HOLLINGER MA Asst Prof Home Related Art Ext 1R B LEINBACH MEd Asst Prof Fam Housing and

Home Art Home Art

13MIRIAM E McGREW MA Assoc Prof Home Mgt Ext 13Mrs CECILE P SINDEN MS Asst Prof Home Mgt and Housing Ext

1Mrs RUTH H SMITH MS Asst Prof Fam Housing and Home Art

1D B VAN DOMMELEN MA Asst Prof Fam Housing and Home Art

# Home-Community Relationships

1ROSE M COLOGNE EdD Prof Home-Community Relat and Chmn of Div

 $\begin{array}{ll} 1 \text{Mrs GRACE S BARKER BA} & \text{Instr Home-Community} \\ & \text{Relat} \end{array}$ 

IMrs GRACE S COLE MS Asst Prof Home Econ IMrs ANN G COOK MA Instr Home-Community Relat IMrs EVELLYN R SAUBEL BS Asst Prof Gen Fam Studies

1Mrs MARION K STOCKER BS Asst Prof Home-Community Relat

# Foods and Nutrition

8884

12G P BARRON Jr PhD Prof Foods and Nutr and Head of Dept

12CAROL A BAUER MS Instr Foods and Nutr 134Mrs RUTH J BUCK MS Asst Prof Foods and Nutr Ext 13Mrs RUTHALEE M CARROLL MS Instr Foods and Nutr Ext

12D H COX PhD Asst Prof Foods and Nutr 12JOAN GORDON PhD Prof Foods and Nutr 14Mrs HELEN A GUTHRIE MS Asst Prof Foods & Nutr 13LOUISE W HAMILTON MS Assc Prof Foods and Nutr Ext

1RUTH L PIKE PhD Prof Foods and Nutr

# Home Economics Education

2226

1Mrs MARJORIE EAST EdD Prof Home Econ Educ and Head of Dept

1Mrs JULIA M BOLERATZ DEd Asst Prof Home Econ Educ

1Mrs AUDREY J HARSANYI MEd Asst Prof Home Econ Educ

1HAZEL M HATCHER PhD Prof Home Econ Educ 1A LAVERN PHILLIPS PhD Asst Prof Home Econ Educ 1ELIZABETH M RAY PhD Assoc Prof Home Econ Educ

1D ANN SCHULTZ MA Assoc Prof Home Econ Educ

# Family Economics and Home Management

8888

12MARJORIE M KNOLL PhD Prof Home Mgt and Head of Dept

13HELEN E BELL MS Assoc Prof Home Mgt Ext 1Mrs JANICE GEORGE MS Asst Prof Home Mgt 12GERALDINE GAGE PhD Asst Prof Fam Econ 1Mrs MARTHA M LOGAN MS Asst Prof Home Equip and Consum Serv

13CATHERINE B LOVE BS Asst Prof Consum Econ Ext

1ADDREEN NICHOLS PhD Assoc Prof Fam Econ and Home Mgt

13Mrs HELEN T PUSKAR MEd Asst Prof Home Mgt Ext 14L JEANNE RIEBEL MS Assoc Prof Home Mgt and Household Equip

13Mrs CAROLYN SCHROCK BS Asst Prof Home Mgt Ext 1Mrs SHARON F WOOD MS Instr Fam Econ & Home Mgt 1Mrs MARILYN J YOUNG MS Asst Prof Home Mgt

# Hotel and Institution Administration

8890

1S E THOMPSON DEd Prof Hotel and Inst Admin and Head of Dept

1J J CIOCH BS Instr Hotel and Inst Admin 1ELEANOR M ECCLESTON MS Instr Hotel and Inst Admin

IRUTH E ESHLEMAN MEd Instr Hotel and Inst Admin
1J R KEISER MBA Asst Prof Hotel and Inst Admin
IM COLFEN McCANN MPH Instr Hotel and Inst Admin
1L A OLIVIA BS Instr Hotel and Inst Admin
1Mrs CLARICE G TAYLOR MS Prof Hotel and Inst
Admin

Biochemistry

1JOHN H PAZUR PhD Prot and Head of Dept
12C O CLAGETT PhD Prof Biochem
12A L HASKINS MS Assoc Prof Biochem
12J D LOERCH PhD Asst Prof Biochem Mechanisms
12R L McCARL PhD Asst Prof Biochem
12M F MALLETTE PhD Prof Biochem
12G H PRITHAM PhD Prof Physiol Chem Clinical

12J W SHIGLEY PhD Assoc Prof Biochem

Botany

8904

8900

1J G O'MARA PhD Prof and Head of Dept 12PAUL GRUN PhD Prof Cytol 12R H HAMILTON Jr PhD Asst Prof Physiol 12C J HILLSON PhD Assoc Prof Anat 12A J KOVAR PhD Assoc Prof Ecol 12R A PURSELL PhD Assoc Prof Bryology 12W F WESTERFELD MS Assoc Prof Taxon

12 J E WRIGHT PhD Prof Genet

Microbiology

8908

12R W STONE PhD Prof and Head of Dept
12L E CASIDA Jr PhD Assoc Prof Microbiol Proc
12D Z GRUBBS BS Instr Microbiol Proc
12D Z GRUBBS BS Instr Microbiol Proc
12C E HEIST PhD Assoc Prof Antigens and Antibodies
12E S LINDSTROM PhD Prof Bact Physiol
12E H LUDWIG PhD Prof Microbiol Arbor Viruses
12CHRISTINE POOTJES PhD Asst Prof Genet Microorganisms

12D R TERSHAK PhD Asst Prof Enteric Viruses 12L N ZIMMERMAN PhD Prof Genet Microorganisms

Zoology

8910

12B G ANDERSON PhD Prof and Head of Dept 12ADAM ANTHONY PhD Prof Zool 124E D BELLIS PhD Assoc Prof Zool 12TIEN-HSI CHENG PhD Prof Zool 12E L COOPER PhD Prof Zool 12D E DAVIS PhD Prof Zool 12R T HOULIHAN PhD Assoc Prof Zool 12A M TAUB PhD Asst Prof Zool 12E W WICKERSHAM PhD Asst Prof Zool 12E W WICKERSHAM PhD Asst Prof Zool 12MERRILL WOOD MS Assoc Prof Zool

Pennsylvania Cooperative Fishery Unit

8920

126R L BUTLER PhD Asst Prof Zool and Unit Leader 126ANTHONY BODOLA PhD Asst Prof Zool

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 1College Staff
 2Station Staff
 3Extension Staff

 4Leave of Absence
 5COOP USDA
 6Other Cooperators

 7At Honorem

8930

123JAIME BENITEZ MA LLM Pres (766-5510)
123JE ARRARAS LLB Chanc (832-4040)
2ARTURO ROQUE MS Dir Expt Sta (766-1240)
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9470

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9650

9640

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9700

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#### Zoology-See Entomology-Zoology

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9710

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Junction)	2J L JONES BS Asst in Agron Tobacco Brda
3B G HICKS MS Asst Agr Econ Mktg	5L M JOSEPHSON PhD Prof Corn Brdg
3T W HINTON PhD Asst Agr Econ Farm Mgt	2H C KINCER BS Asst Prof Corn Brdg
2J E HOLMES MS Asst in Agr Econ	2K F LAAKER BS Asst in Agron Forage Physiol
3E H HUDSON PhD Assoc Agr Econ Farm Mgt	12R J LEWIS PhD Assoc Prof Soil Chem
2T K HUNTER MS Asst in Agr Econ	20 H LONG PhD Prof Soil Fert
2R E JONES MS Asst in Agr Econ Mktg	5T J LONGWELL MS Asst Prof Soil Conserv
2R M JONES BS Asst in Agr Econ Farm Mgt	3HAYWOOD LUCK MS Asst Agron Cotton (PO Jackson)
12L H KELLER PhD Asst Prof Farm Mgt and Prod Econ	2D E McKINNEY BS Asst in Agron Soil Phys
12C F LARD PhD Asst Prof Farm Mat and Prod Econ	2B A MANER Jr BS Instr Cotton Brdg
12F O LEUTHOLD MS Asst Prof Rural Sociol	3J N MATTHEWS MS Asst Agron Soil Testing (PO
2E W McCOY MS Asst in Agr Econ	Nashville)
2B R McMANUS MS Instr Agr Econ	5R J MIRAVALLE PhD Assoc Prof Cotton Genet
12J A MARTIN PhD Prof Land Tenure and Policy	2T H MORGAN BS Asst Prof Soil Fert (PO Spring Hill)
12S P PARRY PhD Assoc Prof Dairy Mktg and Prices	5B C NICHOLS BS Assoc Prof Tobacco Fert (PO
3B H PENTECOST MS Asst Agr Econ Mktg	Greeneville)
12W P RANNEY PhD Prof Farm Mgt and Farm Acct	12T S OSBORNE PhD Assoc Prof Plant Genet
2B D RASKOPF MS Assoc Prof Poultry and Cotton Mktg	2J R OVERTON MS Asst Prof Soil Fert (PO Jackson)
2R M RAY MS Asst Prof Farm Mgt and Prod Econ	12W L PARKS PhD Prof Soil Fert and Phys
2H B STRAWN MS Asst in Agr Econ Mktg	12C O QUALSET PhD Asst Prof Small Grains Brdg
2B J TREVENA BS Asst in Agr Econ	12J H REYNOLDS PhD Asst Prof Forage Crops Physiol
3G W TURNER MS Asst Agr Econ Farm Mgt	3G N RHODES MS Agron and Leader Tobacco
2E R WILLIAMS MS Asst in Agr Econ Mktg	2J S RICE BS Asst in Agron Forage Crops Brdg
2R N WISNER MS Asst in Agr Econ Prices	2BROOKS ROBINSON BS Asst Prof Soil Anal
	3J H ROBINSON MS Assoc Agron Soil Conserv
	2K B SANDERS MS Asst Prof Soil Chem
Agricultural Education (Col of Educ) 9726	124L N SKOLD MS Prof Crop Prod
1E C MERRILL Jr EdD Dean Col of Educ	2G S SMITH BS Asst in Agron Turf
1G W WIEGERS Jr EdD Prof and Head of Dept	12H C SMITH Jr MS Asst Prof Crop Mgt
1J D TODD MS Asst Prof	12M E SPRINGER PhD Assoc Prof Soil Genesis
	2RONALD WOLFE BS Asst in Agron Soil Fert
	5SMITH WORLEY PhD Assoc Prof Cotton Fiber Testing
Agricultural Engineering 9728	
12J J McDOW PhD Prof and Head of Dept	
12D O BAXTER MS Asst Prof Farm Structures	Animal Husbandry 9740
12E K BOYCE MS Assoc Prof Power and Mach	12CS HOBBS PhD Prof and Head of Dept
3K E DeBUSK MS Asst Agr Engin Rural Elec	2C W ABSHER MS Asst in Anim Husb Beef Cattle
2GUILLERMO DIAZ BS Asst in Agr Engin	2J M ANDERSON MS Asst Prof Beef Cattle
3M H FALKNER BS Assoc Agr Engin Farm Structures	2W R BACKUS MS Asst in Anim Husb Meats
5J L GOODENOUGH BS Instr Elec Power and Proc	12K M BARTH PhD Asst Prof Nutr
2V E GORDON BS Asst in Agr Engin	2M C BELL PhD Prof Nutr
12Z A HENRY PhD Asst Prof Cotton Fiber Properties	3W G BROWN MS Asst Anim Husb Beef and Swine
3J M JOHNSON MS Agr Engin and Leader Farmstead	(PO Jackson)
Efficiency	2W T BUTTS MS Asst in Anim Husb Beef Cattle Brdg
2A L KENNEDY MS Asst Prof Soil and Water	12C C CHAMBERLAIN PhD Assoc Prof Sheep

12J W COLE MS Assoc Prof Meats

2J A CORRICK MS Asst in Anim Husb Beef Cattle
2H M CROWDER MS Asst Prof Anal Chem
2M E FRYER BS Asst Prof Anal Chem
2C T GAMBLE MS Asst in Anim Husb Swine

(PO Jackson) 2C P RIDLEY BS Asst in Agr Engin

2A L KENNEDY MS Asst Prof Soil and Water 12D H LUTTRELL PhD Assoc Prof Power and Mach

2A H MCRGAN BSME Assoc Prof Food Mach 23J A MULLINS PhD Asst Prof Cotton Ginning and Mech TENNESSEE 9740-9830

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2W L SANDERS BS Asst in Anim Husb Beef Cattle 2P E BARNETT BS Asst in For Tree Impr 2A L BATES BS Asst in For Site-Growth Relat 12R R SHRODE PhD Prof Brdg & Statis 2J D SMALLING PhD Asst Prof Physiol 12E R BUCKNER MF Asst Prof For Mot 3E R CADY MS Asst For Gen For 12H A CORE PhD Prof Wood Technol 12H J SMITH PhD Prof Swine Brdg 3WP TYRRELL MS Anim Husb and Leader Beef Cattle 12R W DIMMICK PhD Asst Prof Wildlife Mgt 2H C WANG MS Asst in Anim Husb Nutr 3W E DUGGAN MS Asst For For Mktg 3J N WILLIAMS II PhD Asst Anim Husb Nutr 2P J HUFFMAN Jr BS Asst Prof For Mgt (PO Tullahoma) 2J S KRING MS Assoc Prof For Mgt (PO Harriman) Dairy 9750 2R D MacDONALD MS Asst Prof Ecol 12J T MILES PhD Prof and Head of Dept 2C R RUSK BS Asst in For For Influences 5H D BAXTER MS Asst Prof Dairy Husb (PO Lewis-12K F SCHELL PhD Assoc Prof Recreation 3J B SHARP Jr DPA For and Leader Gen For burg ) 2B J BEARDEN MS Asst Prof Dairy Husb (PO Spring 12EYVIND THOR PhD Assoc Prof Tree Impr 3J G WARMBROD BS Asst For For Mgt (PO Jackson) 1H N CARRINGER MS Assoc Prof Dairy Technol 12G R WELLS MF Asst Prof For Econ 3C K CHAPPELL MS Dairy Husb and Leader 12R G CRAGLE PhD Assoc Prof Nutr 12B J DeMOTT PhD Assoc Prof Dairy Chem 4-H Club 2D H GORDON BS Asst in Dairy Husb 9820 3G S FOSTER EdD 4-H Club Spec and Leader 2G M GORMAN BS Asst in Dairy Husb 3POLLY L FUSSELL BS Asst 4-H Club Spec 1T B HARRISON MS Prof Dairy Technol 3E B JENKINS BS Assoc 4-H Club Spec 12S A HINTON MS Assoc Prof Dairy Husb 3MARIFLOYD HAMIL BS Asst 4-H Club Spec 3W M MILLER PhD Assoc Dairy Husb Nutr 12M J MONTGOMERY PhD Asst Prof Dairy Nutr 5E D MOORE MS Asst Prof Dairy Husb (PO Lewisburg) Home Economics 2B R MOSS BS Asst in Dairy Husb 9830 ILURA M ODLAND PhD Deam of Col 12W W OVERCAST PhD Prof Dairy Bact 3V D PARSONS BS Asst Dairy Husb DHIA 2J R PLUMMER BS Asst in Dairy Husb 1CHRISTINE BEASLEY EdD Prof Child Devlpmt and Fam Belat 12MYRA L BISHOP PhD Head of Home Mgt Equip and 12D O RICHARDSON PhD Assoc Prof Dairy Brdg Fam Econ 3T R SPANN MS Asst Dairy Husb (PO Jackson) 1ILENE BROWN PhD Prof Home Econ Educ 12E W SWANSON PhD Prof Nutr 1NANCY E BROWN MS Instr Food Sci and Inst Mgt 12ADA M CAMPBELL PhD Assoc Prof Food Sci and Inst Extension Administration Mat 9795 3MARGARET L CLEM MS Relat Art and Crafts Spec 3V W DARTER DPA Dir 1LUCY E COURTNEY MS Consult Child Devlpmt and 3W D BISHOP PhD Asst Dir Fam. Relat 3DM THORPE DPA Asst Dir 1Mrs MARILYN M DAVENPORT MS Instrand Dietitian 3MARY N ALEXANDER BS Dist Supvr Home Econ Food Sci and Inst Mgt Prog (PO Cookeville) 1LOIS E DICKEY MS Assoc Prof Textiles and Clothing 3VIRGINIA BOSWELL MS State Leader Home Econ 1ROWENA P DOWLEN MS Asst Prof Textiles and 3J B BROWER Jr MS Dist Supvr Agr Prog Clothing 3AC CLARK MS Dist Supvr Mgt (PO Cookeville) 3MILDRED L FARMER MS Home Mgt Spec 3J E FRANCIS BS Dist Supvr Mgt ILORNA J GASSETT PhD Prof Home Mgt Equip and 30 E HODGES MS Dist Supvr Agr Prog (PO Nashville) Fam Econ 3M E JONES MS Dist Supvr Mgt (PO Nashville) 13CLAIRE E GILBERT EdD Prof and Head Home Demon 3P M KOGER BS Dist Supvr Mgt (PO Chattanooga)
3R A PEACE MS Dist Supvr Agr Prog (PO Cookeville) Methods 12GRAYCE E GOERTZ PhD Prof and Head Food Sci 3BETTY L SEWELL BS Pers Asst and Inst Mgt 30 C SHELBY MS Dist Supvr Agr Prog (PO Jackson) 12MARY R GRAM PhD Prof and Head Nutr 3H T SHORT BS Dist Supvr Mgt (PO Jackson) 1Mrs BARABARA H GRIFFIN MS Asst Prof Relat Art 3MARY STANFILL BS Dist Supvr Home Econ Prog Crafts and Int Design (PO Chattanooga) 1Mrs LAURA T HARRILL MS Admin Asst 3EH SWINGLE BS Dist Supvr Agr Prog (PO 1MARIAN G HEARD MA Prof Relat Art Crafts and Int Chattanooga) 3ALTA F THOMAS MS Dist Supvr Home Econ Prog Design 3REBA K HENDREN MS Asst Spec Nutr 3MARGARET A USSERY PhD Dist Supvr Home Econ 12RUTH L HIGHBERGER PhD Head of Child Devlpmt Prog (PO Nashville) and Fam Relat Dept 3ESTELLE VINES BS Dist Supvr Home Econ Prog 1Mrs PATRICIA R HUNT MS Instr Child Devlpmt and (PO Jackson) Fam Relat

9800

Extension Training and Studies

Studies

Studies and Leader

13L H DICKSON EdD Prof and Spec Training and

13R S DOTSON PhD Assoc Spec Training and Studies

13CLAIRE E GILBERT EdD Prof and Spec Training and

155

12PHYLLIS ILETT MBA Assoc Prof Home Mgt Equip

12BETTY I JEFFREY PhD Asst Prof Child Devlpmt and

1WINONA F KOCH MS Asst Prof Textiles and Clothing 1NELL P LOGAN EdD Head Home Econ Educ Dept

3INEZ LOVELACE MS Housing-Home Furnishings Spec

and Fam Econ

Fam Relat

9830-9900 TENNESSEE

	Ph.,
Home Economics-Continued	Physics 12K L HERTEL PhD Prof Fiber Properties
1DOROTHY E LYON MS Assoc Prof Food Sci and Inst Mat	12K F. DUCKETT PhD Asst Prof Fiber Properties
1MARY M McCLANAHAN MS Head Dietitian and Asst Prof Food Sci and Inst Mgt	5P R EWALD BS Assoc Prof Cotton Fiber and Yam 2Z A HENRY PhD Asst Prof Fiber Properties
1Mrs JANICE J MACLIN MS Asst Prof Textiles and Clothing	5R S KROWICKI MS Asst Prof Fiber Properties 5REBA LAWSON BS Asst in Phys Fiber Properties
1LYLE M MAMER MS Assoc Prof Home Mgt Equip and	
Fam Econ  IMARY L MARSHALL MS Asst Prof Food Sci and Inst	Poultry 9880
Mat	120 E GOFF PhD Prof and Head of Dept
2Mrs FOSSIE L MASON MS Asst Prof Nutr 12BERNADINE F. MEYER PhD Prof Food Sci and Inst	12J K BLETNER PhD Assoc Prof Nutr 3C R DOUGLAS PhD Poultryman and Leader Nutr 2H C GOAN BS Asst in Poultry Nutr
Mgt	2R J MACKIN Jr BS Asst in Poultry Genet
2ELISE MORRELL MS Asst Prof Nutr	2F A RYMER Jr BS Asst in Poultry Path
3NAZZA NOBLE MS Nutr Spec 1Mrs: MARGARET PERRY PhD Admin Asst	3W O SEWELL MS Asst Poultryman
3GENEVA D POTTER MS Asst Clothing Spec	12H V SHIRLEY Jr PhD Assoc Prof Physiol and Genet
3HELEN L RADER MS Clothing Spec	12R L TUGWELL PhD Prof Path
2Mrs HELEN M REED MS Asst Prof Home Mgt Equip and Fam Econ	2R A VOITLE MS Asst in Poultry Physiol
1JANER SAVAGE PhD Assoc Prof Nutr	Paraura Davelorment 9890
12FRANCES A SCHOFIELD PhD Prof Nutr	K&2001CA DA4atohmatii
1R F SCHUCKERT MS Asst Prof Child Devlpmt and Fam Relat	3L J STRICKLAND MS Resource DevIpmt Spec and Leader 3J W BRIMM MS Assoc Resource DevIpmt Spec Com-
12J T SMITH PhD Prof Nutr	
1SHARON SMITH MS Instr Relat Art Crafts and Int	munity 3R D FREELAND MS Asst Resource DevIpmt Spec RAD
Design 1DAVID STEARNS MS Instr Relat Art Crafts and Int Design	3D R HUMBERD MS Asst Resource Devlpmt Spec 3R C McDADE BS Assoc Resource Devlpmt Spec
1J D STOOPS EdD Prof and Head Relat Art Crafts and Int Design	
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12Mrs ANNA J TREECE PhD Prof and Head Textiles and Clothing Dept	3W E BRYAN MS Asst Rural Defense Spec
3BESSIE L WALTON BS Prog Spec	
1Mrs VIRGINIA M WATERS MS Asst Prof Home Econ	UT-AEC Agricultural Research Laboratory 9900
Educ	(1299 Bethel Valley Road, Oak Ridge)
1Mrs VIRGINIA S WATSON MS Instr Child Devlpmt and	(12)
Fam Relat	2J A EWING DPA Proj Leader
	2N S HALL PhD Lab Dir
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	2R K BERRY MS Asst in Anim Husb
Horticulture 9840	2J M BIRD MS Supt
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12J S ALEXANDER MS Asst Prof Ornom	2P K CHUNG MS Asst in Anim Husb
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3J C CLARK BS Asst Hort Veg (PO Jackson) 2T R GILMORE BS Assoc Prof Pomol (PO Crossville)	12R G CRAGLE PhD Assoc Prof Dairy Nutr
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1TH JONES MS Prof Pomol	2R G GAST PhD Assoc Prof Soil Chem
2J E LOVE PhD Asst Prof Physiol	2F G HEMBRY BS Asst in Anim Husb Nutr
2C A MULLINS BS Asst in Hort Pomol	2D F JOHNSON DVM MS Prof Path
2C A PYRON BS Asst in Hort Omam	2W D KLOBE MS Asst Prof Soil Chem
2W E ROEVER PhD Assoc Prof Brdg	2J J KNAPKA MS Asst in Anim Husb Nutr 2J E LOVE PhD Asst Prof Plant Physiol
2A D RUTLEDGE BS Asst in Hort Veg	2A F McFEE PhD Asst Prof Physiol
2J G STALEY BS Asst in Hort Ornorn	2W G MAGRANE DVM MS Consult Ophthalmology
12H D SWINGLE PhD Assoc Prof Veg	2P G MARTIN PhD Asst Prof Nutr-Physiol
1R B THOMPSON MS Asst Prof Ornam  2HENDRIK van de WERKEN MVV Asst Prof Ornam	2G H MATSCHKE MS Asst in Anim Husb
3D B WILLIAMS PhD Hort and Leader Pomol	2J K MILLER PhD Asst Prof Nutr
2R D WRIGHT BS Asst in Hort Veg	2R J MONROE PhD Consult Statis
2H D William Do Most III Most 14	2E L MORGAN BS Asst in Poultry
	2F R MRAZ PhD Prof Nutr-Physiol
	12R L MURPHREE PhD Prof Physiol
	12T S OSBORNE PhD Assoc Prof Plant Genet 2W C PATRICK Asst to Lab Dir
Information 9850	2SC PERRY MS Asst in Dairy Nutr
23R L HAMILTON MS Ed and Head of Dept	2J M RARY MS Asst in Anim Husb Physiol
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3A B LEMERT MS Asst Ed Ext Pub	2J H SCHAFFER MA Asst in Dairy
3G C MAYS MS Asst Ed Ext Radio	2J C SOUTO MD Prof Physiol
1224 H MITCHELL BS Agr Libr	2G E SPALDING PhD Asst Prof Soil Chem
3NANCY L RUSSELL BS Asst Ed Home Econ and 4-H	2D L STODDARD MS Asst Prof Safety
Nawa	2J W WHEELER BS Admin Asst 2GENE WITHROW BS Asst in Anim Husb Nutr
3S F SWEET MA Assoc Ed Field Training and Spec Assignments	2M H WYKOFF DVM Assoc Prof Physiol

Miscellaneous 9910 123E G FRIZZELL Mgr Gen Serv 123W H JONES BS Acct Main Station 9915 2J N ODOM MS Supt 2C R HOLMES BS Mgr Dairy Unit 2G CMcGHEE BS Mgr Poultry Unit 2R Q SNYDER BS Mor Anim Husb Unit **Branch Stations** 9920 Dairy Expt Sta PO Lewisburg 25J R OWEN MS Supt Highland Rim Expt Sta PO Springfield 2L M SAFLEY BS Supt Middle Tenn Expt Sta PO Spring Hill 2J W HIGH MS Supt Plateau Expt Sta PO Crossville 2J A ODOM BS Supt 2E L BOHANON BS Asst Supt Tobacco Expt Sta PO Greeneville 25J H FELTS BS Supt West Tenn Expt Sta PO Jackson 2BP HAZLEWOOD MS Supt Field Stations 9925 Ames Plantation PO Grand Junction

University of Tennessee (Martin Branch), Martin (Under same administration as Univ of Tenn, Knoxville)

Department of Agriculture 120 G HALL PhD Prof and Head of Dept (Anim Husb)
12E W COUNCE MS Asst Prof (Agron) 12E W CULVAHOUSE Jr MS Asst Prof (Dairy Husb) 12B N DUCK PhD Asst Prof (Agron) 2H A HENDERSON BS Farm Mar IJ N KANIANTHRA MS Asst Prof (Agr Engin) IJ E McMAHAN MS Prof (Hort)
IC S MURPHEY MS Instr (Agr Econ) 1P B STARKS PhD Assoc Prof (Anim Husb)

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1College Staff 3Extension Staff 4Leave of Absence

9950

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9960 130 L ADAMS PhD Assoc Prof Poultry Sci and Ext 1H W CARTER PhD Prof Plant Sci

IR H DERDEN MS Tech Agr Engin ID A HAMILTON EdD Prof Agr Educ

13NEAL McALPIN MS Assoc Prof Plant Sci and Ext IROLAND NORMAN PhD Prof and Head of Dept of Anim Sci

13W E OFFICER MS Asst Prof Anim Sci and Ext IF D SMITH DVM Prof Anim Sci

41H L TAYLOR PhD Prof and Head of Dept of Agr Educ and Econ

IE J THORNTON MS Prof Poultry Sci IF E WESTBROOK PhD Prof and Head of Dept of Plant Sci

1T R WOOD MS Asst Prof Dairy Sci

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9970 1Mrs MIRIAM M ABERNATHY PhD Prof Foods and Nutr ICHRISTINE ALEXANDER MS Itinerant Teacher Trainer in Vocat Home Econ Educ

1Mrs M A ANDERSON PhD Prof Child Devlpmt 1Mrs AUGUSTINE S DARTIS MS Assoc Prof Foods and Nutr

1Mrs GERALDINE B FORT MA Assoc Prof Clothing and Textiles

1Mrs LUTHER B FRANKLIN MS Asst Prof Foods and Nutr

IMrs MARY H GREER MS Asst Prof Home Econ Educ IRUTH A McDOWELL MEd Asst Prof Child Devlpmt 1Mrs CATHERINE B McKINNEY MS Asst Prof Clothing and Textiles

ILILLIE B REDMOND MS Asst Prof Home Mgt Mrs MARYLOUISE RITTER MS Asst Prof Home Furnishings

1Mrs MIRIAM G TOWNS MS Asst Prof Foods and Nutr

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1College Staff 2Station Staff 3Extension Staff 4Leave of Absence 5Coop USDA 6Other Govt Agency

9990

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9990

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2C E DICKSON MS Res Sci Pesticide Anal 2T B GRIFFIN PhD Asst Prof Pesticide Anal

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Agricultural Education-Continued 10000 Agricultural Economics and Sociology 10 M HOLT EdD Assoc Prof 123T R TIMM DPA Prof and Head of Dept IBILLY IRICK MEd Asst Prof 3F B ANDREWS MS Ext Resource Develomt Spec Com 1R C JASKA MS Assoc Prof Recreation 3C K BAKER MS Econ Farm Organ 12E S WEBB EdD Assoc Prof 12R V BILLINGSLEY PhD Assoc Prof Prod Econ and Farm and Ranch Mgt 10020 Agricultural Engineering 5C C BOYKIN Jr MS Agr Econ Range and Ranch Econ 123PRICE HOBGOOD MS Prof and Head of Dept 12R E BRANSON PhD Prof Consum Econ 12W H ALDRED MS Asst Prof Farm Mach 3N W BRINTS MS Ext Area Farm Mgt Spec (PO Vernon) 3R V BROWN MS Ext Rural Social 1D R DAVIS MS Assoc Prof Social 1K R BEERWINKEL BS Instr Farm Elec 3T W BISHOP Artist 3J S DENTON BS Ext Area Farm Mgt Spec 5L F BOUSE MS Agr Engin (PO Stephenville) 5R A DIETRICH PhD Agr Econ Livestock Mktg
2B R EDDLEMAN MS Asst Prof Prod Ecor. and Farm 1C B EDWARDS BS Asst Prof Agr Ed Spec 12L J GLASS MS Instr Soil and Water Engin 5A W HARTSTACK MS Agr Engin and Ranch Mat 12V W EDMONDSON PhD Assoc Prof Prod Econ and 12E A HILER PhD Asst Prot Soil and Water Engin 5J P HOLLINGSWORTH MS Agr Engin Farm and Ranch Mat 1R C JASKA MS Assoc Prof and Coordinator Agr Ed 124DON FARRIS PhD Assoc Prof Livestock Mktg Spec 12M L FOWLER PhD Assoc Prof Cotton Mktg 3C W KEESEMS Ext Agr Engin Soil and Water Safety 5B G FREEMAN MS Agr Econ 120 R KUNZE PhD Assoc Prof Agr Proc and Farm Elec
1W E McCUNE MS Prof Farm Elec 5W R GRANT MS Agr Econ 12J W GRAVES PhD Asst Prof Cotton Mktg 3T W NEUMANN BS Ext Agr Engin Civil Defense 5W L HARMAN MS Agr Econ 3H P O'NEAL BS Ext Agr Engin Power Mach 5R E HATCH MS Agr Fcon 1W F PAGE MS Asst Prof Agr Ed Spec 25W F HUGHES BS Agr Econ 2N K PERSON MS Asst Prof Grain and Feed Proc 3B G REEVES BS Ext Agr Engin Cotton Gin and Mech 3S L JENKINS BS Ext Area Farm Mgt Spec (PO Denton) 3R P KENNEDY MS Econ in Mgt
3R H KENSING BS Ext Area Farm Mgt Spec 1C W RICHARDSON BS Instr 12J W SORENSON Jr MS Prof Grain and Feed Proc (PO San Angelo) 5R A STERMER MS Collab Elec Power and Proc 2J AKINCANNON PhD Assoc Prof Trans and Mktg 3J EKIRBY PhD Ext Econ Mktg Policy 1W DKUTACH MS Asst Prof Sociol 12B R STEWART MS Asst Prof Farm Structures 1H T WIEDEMANN BS Agr Engin Agr Ed Spec 2L H WILKES MS Assoc Prof Farm Mach 1C H YEATES BS Asst Prof Agr Ed Spec 12W P KUVLESKY MS Asst Prof Social 25W B LESTER PnD Agr Econ 3J G McHANEY MS Ext Econ Agr Outlook 2J D McNEASE Field Enumerator 10030 Agricultural Information 12J G McNEELY PhD Prof Livestock Mktg 23H R TAYLOR MA Ed and Head of Dept 3J I MALLETT MS Ext Area Farm Mgt Spec 3D V BYNUM BA Area Inform Spec (PO Denton) (PO Mt Peasant) 23R H CULLEN Artist 5J R MARTIN MS Agr Econ Prod Econ 23H O EVANS BS Assoc Ed 12D S MOORE PhD Assoc Prof Prod Econ and Farm and 12DOYLE GOUGLER MS Asst Ed Campus News Ranch Mat 23T L GREEN Artist 3C J MURPHREY MS Ext Area Form Mgt Spec 3R B HICKERSON Radio Ed (PO Amarillo) 3Mrs DOROTHY A HOLLAND BA Asst Ed Pubs 12B H NELSON PhD Prof Social 23M D HOOD BS Area Inform Spec (PO Lubbock) 3C A PARKER MS Ext Area Farm Mgt Spec (PO Denton) 3W G HORSLEY BFA Vis Spec 3G R POWELL MS Ext Fruit and Veg Mktg Spec 3J S HUNT BS Asst Ed Photog 12J S PRESTON Asst Frof Social 3A B KENNERLY MS Asst Ed Magazines 3T E PRATER MS Lixt Farm Mgt Spec 5R H ROGERS MS Agr Econ 3F A KIKER Artist 12I W SCHMEDEMANN MS Asst Prof Res Econ 23R L KRUMME BS Asst Ed Field News 3MARY K MAHONEY BA Asst Ed Home Econ and Agr Policy 3Mrs MARSHA P MARTIN BA Asst Ed Pubs 3J J SEIBER'I MS Ext Area Farm Mgt Spec (Lubbock) 3JOAN MOORE BFA Artist 12C E SHAFER PhD Assoc Prof Poultry Mktg 23J W POTTS MS Asst Ed News Coord 12R L SKHABANEK PhD Prof Sociol 2Mrs HELEN B SCOTT BA Asst Ed Pubs 2H E SMITH MS Junior Econ 3S H SUTHERLAND BA Inform Spec Pesticides News 12H B SORENSEN PhD Assoc Prof Fruits and Veg Mktg 2Mrs PATRICIA P WIENING BA Asst Ed Pubs 3J M SPROTT MS Area Farm Mgt Spec (PO Gonzales) 12RANDALL STELLY PhD Assoc Prof Dairy Mtkg 3C A TAYLOR BS Area Farm Mgt Spec (Ft Stockton)
3W D TAYLOR MS Area Farm Mgt Spec (Nacogdoches) 10040 12W L TROCK MS Asst Prof Res Econ 12W K UPHAM MS Asst Prof Sociol 23Ed UVACEK MS Asst Prof and Ext Livestock Mktg Animal Science 1230 D BUTLER PhD Prof and Head of Dept 12J W BASSETT PhD Asst Prof Sheep Goats Wool Mohair 12L H BREUER PhD Asst Prof Ruminant Nutr Spec 3S F. CARPENTER BS Area Dairy Spec (PO Tyler) 12J M WARD MS Asst Prof Cotton Mktg 12Z L CARPENTER PhD Assoc Prof Meats Inves 12J S WEHRLY PhD Assoc Prof Prod Econ and Farm 12T C CARTWRIGHT PhD Prof Animal Breeding
5H R CROOKSHANK PhD Anim Nutr and Ranch Mgt 2D E WELSCH PhD Asst Prof Prod Econ and Faim IF I DAHLBERG MS Prof Livestock Mgt and Ranch Myt 3J W DAVIS BS Ext Dairy Spec 3KENNETH WOLF MS Ext Econ (Agribusiness)

12W C ELLIS PhD Assoc Prof Ruminant Nutr

12J L FLEEGER PhD Asst Prof Physiol of

4H W FRANKE MS Asst Prof Beef Cattle

3J A GRAY MS Ext Anim Husb Sheep Goats (PO San

Reproduction

Angelo)

10010

158

Agricultural Education

12A B WOOTEN PhD Prof Econ and Agr Policy

13E h KNEBEL EdD Prof and Head of Dept

13B D COOK PhD Assoc Prof

1J W HOLCOMB MEd Assoc Prof

TEXAS 10040-10090

# Animal Science-Continued

3J L GROFF BS Ext Assoc Sheep and Goat Spec (PO Kerrville)

12FRED HALE MS Prof Emeritus Swine

1J M HILLIN MS Dairy Spec Tex Educ Agency 16W W HOLTZAPPLE BS Beef Cattle Spec (Tex Ed Agr)

2R L HOSTETLER MS Asst Prof Meats Chem 3DIXON HUBBARD PhD Area Livestock Spec (PO Lubbock)

3D B HUDMAN PhD Ext Anim Husb Swine

12N M KIEFFER PhD Assoc Prof Cytogenet

12G T KING PhD Assoc Prof Meat Inves 12W A LANDMANN PhD Prof Meat Cnem

123R E LEIGHTON PhD Prof Dairy Prod

1FRANK LITTERST BS Beef Cattle Spec Tex Educ Agency

3L A MADDOX MS Ext Anim Husb Beef Cattle 3A M MEEKMA MS Ext Dairy Spec

3F A ORTS MS Ext Meat Spec

12DONALD OSBOURN BS Inst Swine

12N A PARRETT BS Instr Meat Inves

12I I PETERS PhD Prof Dairy Mfrs 12J K RIGGS MS Prof Beef Cattle

12L M SCHAKE MS Instr Beef Cattle

3PAUL SHELLENBERGER PhD Area Dairy Spec (PO Denton)

12A M SORENSEN PhD Prof Physiol of Reproduction 123T D TANKSLEY Jr MS Asst Prof Swine

3U D THOMPSON MEd Ext Anim Husb Beef Cattle 110E TOCQUIGNY MS Swine Spec Tex Ed Ag

12CARL VANDERZANT PhD Prof Dairy Mfrs

2D F WESELI PhD Assoc Prof Immunogenetics

1L D WYTHE MS Asst Prof 3B F YEATES BS Ext Anim Husb Horses

# Biochemistry and Biophysics

10050

12C M LYMAN PhD Prof and Head of Dept Protein and Amino Acids

2PAUL BAUR BS Res Assoc

12N R BOTTINO PhD Asst Prof Fat Metab

12B J CAMP PhD Prof Poisonous Piants

1CARL CATER MS Instr Protein Chem 12J R COUCH PhD Prof Poultry Nutr

12C R CREGER PhD Assoc Prof Poultry Nutr 125H R CROOKSHANK PhD Biochem Mineral Nutr

12H H DARON PhD Asst Prof Enzymes 2K S DERRICK MS Res Assoc Plant Metabolism

12J W DIECKERT PhD Assoc Prof Biopnys

2TPAVIS GRIFFIN PhD Asst Prof

2R D HARLOW BS Res Assoc Lipids 12H O KUNKEL PhD Prof and Assoc Dir TAES

Ruminant Metab

12W A LANDMANN PhD Prof Phys Biochem

2CARTER LITCHFIELD PhD Asst Prof Chemistry of Lipids

12J M PRESCOTT PhD Prot Proteins and Enzymes 2J C REAGOR MS Asst Prof Anim Nutr

2RAYMOND REISER PhD Dist Prof Fat Metab

25Mrs CHRISTINE RICHARDSON AB Biochem

2M C THOMAS MS Instr Proteins

2Mrs MARY M TRANT ES Res Assoc

25Mrs ERMA S VANDERZANT PhD Biochem Insect Nutr

1U G WHITEHOUSE PhD Assoc Prof Electron Microscopy

2CARL WIDMER PhD Asst Prof Chem of Cotton Plants

10060

1J G MACKIN PhD Head of Dept 1D V ALDRICH PhD Assoc Prof 1J L APPERSON MS Instr

IS O BROWN PhD Prof

1E CHIN PhD Assoc Prof

1W J CLARK PhD Asst Prof 1R J COOPER PhD Instr

1L S DILLON PhD Prof

IW J DOBSON PhD Prof

IE M ENGLEMANN PhD Asst Prof

**Biology-Continued** 1B G FOSTER MA Asst Prof

1M R FREI BS Instr

1R N GENNARO MS Instr

1H L GRAVETT PhD Prof

1H W HARRY PhD Assoc Prof

1S H HASHMI MS Instr

1S H HOPKINS PhD Prof 1A B HUGHES MS Instr

1W R KLEMM PnD Assoc Prof

1G M KRISE PhD Prof

1J W LITTLE MS Instr

1D D McLAIN PhD Asst Prof

1R J NEWTON MS Instr

1M C ROBINSON BS Instr

1F SEABURY Jr MS Instr

1S L SISSOM MS Instr

1J J SPERRY PhD Prot

1M H SWEET PhD Assoc Prof

1W A TABER PhD Assoc Prof 1B S WILLIAMS MA Instr

Chemistry

1A F ISBELL PhD Prof and Actg Head of Dept 1R B ALEXANDER PhD Assoc Prof

1J B BECKHAM MS Assoc Prof 1P K CALAWAY PhD Prof

1D C CONWAY PhD Assoc Prof

IC S GIAM PhD Asst Prof

1J K GLADDEN PhD Prof

1K 3 HAMPTON PhD Asst Prof 1C K HANCOCK PhD Prof

1R M HEDGES PhD Assoc Prof

1KURT IRGOLIC PhD Asst Prof

1J L JONES PhD Asst Prof

1D R LEE MS Assoc Prof

1J H LUNSFORD PhD Asst Prof 1E A MEYERS PhD Prof

1J O PAGE PhD Assoc Prof

1K H PEARSON PLD Asst Prof 1FRFD SICILIO PhD Assoc Prof

1A D SUTTLE Jr PhD Prof

IF N TRAXLER PhD Prof

1R D WHEALEY PhD Prof

1R C WILFOIT PhD Assoc Prof

1R A ZINGARO PhD Prof 1B J ZWOLINSKI Prof

10090

10070

Entomology
123J C GAINES PhD Prof and Head of Dept 12P L ADKISSON PhD Prof Cotton Insects

2N H ANDERSON MS Asst Prof Forest Insects

2R K ASHBY Foulbroad Insp Foulbroad Cont

5L A BARIOLA MS Ent Cotton Insects 3E P BORING III BS Area Ent (PO Vernon)

5D L BULL PhD Ent Cotton Insects

2C J BURGIN BS Chief of Foulbrood Insp Foulbrood

12H R BURKE PhD Assoc Prof Insect Taxon

25J R COPPEDGE BS Ent Cotton Insects

3J A DEER MS Ext Area Ent (PO Weslaco)

2H W DOROUGH PhD Asst Prof Insect Toxicol

5L J GORZYCKI BS Ent Cotton Insects

3P J HAMMAN MS Asst Ent

12R L HANNA PhD Assoc Prof Cotton Insects 25D A LINDQUIST PhD Ent Cotton Insects

2R A MOELLER BS Foulbroad Insp Foulbroad Cont

3C W NEEB BS Ext Area Ent (PO Ft Stockton)

3W H NEWTON MS Ext Assoc Ent

2W L OWEN Jr MS Assoc Ent Cotton Insects (Lubbock)

3F W PARKER BS Asst Ent Survey

12M A PRICE MS Assoc Prof External Parasites

12N M RANDOLPH MS Assoc Prof Forage Crops Insects

12H J REINHARD BS Prof Emeritus Insect Taxon

5R L RIDGWAY PhD Ent Cotton Insects

3D R RUMMEL MS Ext Area Ent (Lubbock) 12J C SCHAFFNER PhD Asst Prof Fruit Insects

2% L STERLING MS Ros Ausoc

# Entomology-Continued

SR A STOKES Chem

3J G THOMAS MS Ent

3H A TURNEY MS Ext Area Ent (PO Denton)

2H W VANCLEAVE MS Asst Prof Pecan Insects

2J K WALKER MS Asst Prof Cotton Insects

# Extension Administration

10100

3V G YOUNG BS Asst Dir 3A E ADAMS BS Staff Asst (PO Prairie View) 3Mrs PAULINE R BROWN MS Area Program Spec and

Staff Asst (PO Prairie View) 3C H DOERGE BS Exec Asst

3Mrs FLORENCE W LOW MS Asst Dir for Home Econ 3Mrs GLADYS D KOLANDER MS State Home Demon

Agt

3J H ROTHE BS State Agr Agt

3A H WALKER MS State Agr Leader

# **Extension Supervision**

10110

3MARGARET BRACHER MS Dist Agt (PO Nacogdoches) 3J E BURLESON BS Dist Agt (PO Stephenville)
3THELMA CASEY BS Dist Agt (PO San Angelo) 3MARY L COTHRAN MS Dist Agt (PO Mt Pleasant) 3Mrs TOM JOYCE CUNNINGHAM MS Dist Agt (PO Denton)

3J M GLOVER Jr BS Dist Agt (PO Gonzales) 3W W GRISHAM Jr BS Dist Agt (PO Amarillo) 3IRENE GROMATZKY MA Dist Agt (PO Weslaco) 3B C GUNTER BS Dist Agt (PO Lubbock)

3Mrs ANNIE MAE HATCHETT MHE Ed Dist Agt (PO

Richmond)

3FERN HODGE BS Dist Agt (PO Vernon) 3R J HODGES Jr BS Dist Agt (PO Nacogdoches) 3T G HOLLMIG BS Acting Dist Agt (PO Nacogdoches)
3R L HUCKABEE BS Dist Agt (PO San Angelo)

3Mrs ROBERTA JOHNSON BS Dist Agt (PO Ft Stockton)

3ANNIE LUCY LANE BS Dist Agt (PO Stephenville) 3W H LEHMBERG BS Dist Agt (PO Wesla∞) 3R S LOFTIS BS Dist Agt (PO Mt Pleasant) 3TED MARTIN BS Dist Agt (PO Denton) 3Mrs AUBREY W RUSSELL MA Dist Agt (PO Lubbock) 3R D SIEGMUND BS Dist Agt (PO Ft Stockton) 3J G SIMMONS BS Dist Agt (PO Vernon) 3LEOTA WHITE MS Dist Agt (PO Gonzales)

3EDITH L WILSON BS Dist Agt (PO Amarillo)

# Farm Service

10120

2J E ROBERTS MS Farms Mgr

# Feed and Fertilizer Control Service

10125

2D R McDONALD Dir

2N N COLUMBETTI MBA Cont Serv Aud 2W R DURRENBERGER BS Feed and Fert Insp (PO

Westfield)

2J W JAMES Jr Asst Cont Serv Aud 2R E JONES BS Control Reg

2R G KING BS Feed and Fert Insp (PO Austin) 2R P KINSEY Feed and Fert Insp (PO Hamilton)

2CARYY NEVILL Feed and Fert Insp (PO Bryon)
2C C PERRY MA Feed and Fert Insp (PO Dallas)
2R L PUTNAM ES Feed and Fert Insp (PO Lutkin)

2A M RENFRO BS Feed and Fert Insp (PO Denton) 2S D REYNOLDS Jr Feed and Fert Insp (PO Bastrop)

21 B RICE BS Feed and Fert Insp (PO Lindale)

2J R SCOTT Feed and Fert Insp (PO Ft Worth) 21 J SHENKIR BS Admin Asst

2L G SILLS BS Feed and Fert Insp (PO Lubbock) 2! T TAYLOR BA Feed and Fert Insp (PO Amarillo)

2J C WILLIAMSON BS Feed and Fert Insp (PC Corpus Christi)

2G B WILSON 3S Feed and Fert Insp (PO San Angelo)

# Forest Service Administration

10130

6D A ANDERSON MS Inform and Educ Dept 6J O BURNSIDE BS Fire Control Dept (PO Lufkin) 6PRKRAMER BS For Prods Dept (PO Lufkin)
6DON YOUNG MF Mat Dept

# Home Economics

10140

Mrs FLORENCE W LOW MS Asst Dir for Home Econ Agr Ext

3Mrs GLADYS D KOLANDER MS State Home Demon Agent 2ALICE C STUBBS PhD Act Head Home Econ Res 2Mrs CAROL S BATHKE MS Instr Clothing and Textiles 3JANE BERRY MS Spec in Housing and Home Furn 3RHEBA M BOYLES MA Clothing Spec 3Mrs GWENDOLYNE CLYATT MS Spec Consum Mktg

Inform (PO Houston)

3MAEONA L COX MS Foods and Nutr Spec 3FANNIE B EATON MA Clothing Spec 3GRAHAM E HARD PhD Clothing Spec 3LEOTA CLANE BS Spec in Fam Life Educ 3LOUISE MASON MS Foods and Nutr Spec 3WANDA B MEYER MS Spec in Home Mgt 3LUCILLE H MOORE MS Recreation Spec 3Mrs DORIS MYERS BS Spec in Home Mgt 3FRANCES L REASONOVER MA Foods and Nutr Spec 3MARY ROUTH MA Clothing Spec 3LAURA J RUSSELL MS Area Spec in Housing and Home

3Mrs ELSIE P SHORT MA-HE Ed Spec in Home Mgt 3MARIE TRIBBLE MS Foods and Nutr Spec 3Mrs PATSY A YATES MS Spec in Fam Life Educ

#### Plant Sciences

10150

123D W ROSBERG PhD Prof and Head of Dept 3E J AMADOR PhD Area Plant Path (PO Weslaco) 2J V AMIN PhD Asst Prof Plant Physiol 12H G APPLEGATE PhD Assoc Prof Plant Physiol 3R W BERRY PhD Area Plant Path (PO Lubbock) 25L S BIRD PhD Assoc Prof Plant Path 25R A BOLLER MS Plant Path

25D R ERGLE PhD Plant Physiol Cotton 12R A FREDERIKSEN PhD Asst Prof Plant Path 5JOSEPH HACSKAYLO PhD Plant Physiol Cotton 12W C HALL PhD Prof and Academic Vice-Pres TAMU

12R S HALLIWELL PhD Asst Prof Virology

3C D HOBBS PhD Ext Plant Path 3C W HORNE PhD Ext Plant Path

12H E JOHAM PhD Prof Plant Physiol

5ROBERT HURSEY Plant Physiol
12N M KIEFFER PhD Asst Prof Cytogenet

25R A KILPATHICK PhD Plant Path Small Grain Dis 12R G LANGSTON PhD Prof Nuc Spec

1N A McNIEL PhD Assoc Prof Genet

25R E MEYER PhD Plant Physiol Brush Cont 2C S MILLER PhD Assoc Prof Plant Physiol

2A H MOHAMED PhD Post Doctoral Fellow Cytogenet 12P W MORGAN PhD Assoc Prof Plant Physiol

5H L MORTON PhD Plant Physiol Brush Control

12R E PETTIT PhD Asst Prof Soil-borne Dis 12R D POWELL PhD Assoc Prof Plant Physiol

2A A REYES PhD Post Doctoral Fellow Plant Path 25H W SCHROEDER PhD Plant Path Rice Dis

12J D SMITH PhD Assoc Prof Genet

12W H THAMES It PhD Assoc Prof Plant Nematol 12J P VAN BUIJTENEN PLD Silvic For Genet

12R W TOLER PhD Asst Prof Cereals Virol

1G M WATKINS PhD Prof and Dir of Agr Instr Plant Path

# **Poultry Science**

10160

123J H QUISENBERRY PhD Prof and Head of Dept 12R L ATKINSON PhD Asst Prof Turkey Feeding and Brdg 12J W BRADLEY MS Asst Prof Farm Mgt

3W O CAWLEY MS Poultry Spec

12J R COUCH PhD Prof Nutr

12C R CREGER PhD Asst Prof Nutr

2B H DORAN BS Instr

12R C FANGUY PhD Assoc Prof Blood Antigens

TEXAS 10160-10220

Poultry Science - Continued

12T M FERGUSON PhD Prof Physiol and Histopath 12F A GARDNER PhD Assoc Prof Mkta Tech

2F A GOLAN PhD Supv Natl Poultry and Turkey Impunt Plans

12W F KRUEGER PhD Prof Incubat Brdg and Pop Genet 3M M MILLER MS Ext Poultry Mktg

12C B RYAN PhD Assoc Prof Poultry Environ

3B C WORMELI MS Poultry Spec

Recreation and Parks 10165

123L M REID PhD Prof and Head of Dept 2C D DOWELL MEd Instr Municipal Recreation

# School of Natural Biosciences

10170

BANGE SCIENCE

123C L LEINWEBER PhD Prof and Head of Dept

2T J ALLEN MS Asst Range Sci

5R W BOVEY PhD Res Agron

5F S DAVIS PhD Res Plant Physiol

12J D DODD PhD Assoc Prof Plant Ecol

12E J DYKSTERHUIS PhD Prof Range Ecol

12F W GOULD PhD Prof Agrostol

2R H HAAS MS Asst Prof Brush Cont

3G O HOFFMAN MS Ext Range Spec

12D L HUSS PhD Asst Prof Grazing Mgt 2S K LEHMAN MS Instr

12W G McCULLY PhD Assoc Prof Grassland Mgt 5M G MERKLE PhD Res Agron

23B J RAGSDALE MS Assoc Range Spec

12R R RHODES MS Assoc Prof Forestry
120 E SPERRY PhD Prof Poisonous Range Plants

WILDLIFE SCIENCE

12R J SALDAUF PhD Actg Head of Dept

12D C CARTER PhD Asst Prof Mammalogy

1J V CONNER Instr Fisheries Biol

12W B DAVIS PhD Prof Mammalogy and Herpetology 12J M INGLIS MS Asst Prof Ecol and Wildlife Mgt

3W G KLUSSMANN BS Spec in Wildlife Con

12J G TEER PhD Asst Prof Ecology and Wildlife Mat

Soil and Crop Sciences 10180

123M E BLOODWORTH PhD Prof and Head Dept 3WADELL ALTOM BS Asst Area Agron (PO Lubbock)

2W B ANDERSON PhD Asst Prof Soil Fertility and Nutr

251 M ATKINS PhD Agron and Prof Small Grain

5E C BASHAW PhD Genet Forage Grasses

12H T BLACKHURST PhD Prof Veg Breeding

2A J BOCKHOLT MS Asst Prof Com Breeding

2H H BOWEN PhD Asst Prof Pomol

3JOHN BOX BS Assoc Agron Soil Mgt

2Mrs META S BROWN PhD Prof Cotton Cytogenet

12E E BURNS PhD Assoc Prof Food Tech

3C R CARTER PhD Soil and Water Conserv Spec 12L E CLARK MS Asst Prof Plant Brdg

3J E COLE MS Ext Area Agron (PO Denton)

2J W COLLIER PhD Assoc Prof Foundation Seed 12A F DEWERTH MS Prof Plant Propagation

3F C ELLIOTT MS Cotton Spec

5M H FERGUSON PhD Mid-Continent Dir US Golf Assoc

5P A FRYXELL PhD Res Genet Cotton Taxon 12MACK C FUQUA MS Asst Prof Veg Brdg

12C L GODFREY PhD Assoc Prof Soil Classification

2E T GRAHAM PhD Asst Prof Fruit Brilg

1H E HAMPTON PhD Prof Soil Fert

3B G HANCOCK MS Ext Hort

2E CHOLT PhD Prof Grasses

2W L HOOVER PhD Asst Prof Soil Chem

3E E JANNE MS Landscape Hort

5M L KINMAN PhD Agron Oilseed 5R J KOHEL PhD Genet Cotton

12G W KUNZE PhD Prof Soil Mineralogy

3J E LARSEN PhD Hort

3K E LINDSEY MS Ext Area Agron (PO Ft Stockton)

Soil and Crop Sciences-Continued

3T D LONGBRAKE BS Area Veg Spec (Weslaco)

1T E McAFEE PhD Prof Cereal Crops
2G G McBEE PhD Asst Prof Turf and Forage Quality

12M E McDANIEL PhD Asst Prof Cereal Crops

250 G MERKLE PhD Res Agron Small Grains

24F R MILLER MS Res Assoc

1J F MILLS MS Asst Prof Soil Conserv

5G F NEWBERRY BS Admin Asst

2G A NILES PhD Assoc Prof Plant Brdg

3A C NOVOSAD MS Pasture Spec

2D R PATERSON PhD Assoc Prof Min Nutr

12B A PERRY PhD Prof Veg 3rdq

3J N PRATT PhD Agron

3J D PRICE PhD Agr Chem

2H E REA BS Assoc Prof Weed Control

5T R RICHMOND PhD Agron Cotton

2L W ROONEY PhD Cereal Chem

12J R RUNKLES PhD Prof Soi! Physics

15K F SCHERTZ PhD Genet Sorghum Investigations

5Y C SMITH PhD Agr TVA Fert 3B R SPEARS MS Agron

2D E SPEIGHTS BS Asst Prof Veg

3C O SPENCE MS Ext Area Agron (Sherman)

12R D STATEN PhD Assoc Prof Legumes
12J B STOREY PhD Assoc Prof Pomol

12G W THOMAS PhD Prof Soil Chem

3J H VALENTINE MS Ext Area Soil Chem (Lubbock)

3D N WEAVER MS Area Agron (PO Weslaco)

3C D WELCH PhD Soil Chem Soil Testing
5T G WHITE PhD Cotton Cytol

2E L WHITELEY PhD Assoc Prof New Crops and Soils

5F D WILSON PhD Res Genet Plant Host Resistance

# College of Veterinary Medicine

10 190

10200

VETERINARY RESEARCH-GENERAL

123A A PRICE DVM MS Deam of College and Dirfor Vet Res (Physiol)

1F D MAURUR DVM PhD Assoc Dean Path 3C M PATTERSON DVM Vet Livestock Health

Veterinary Anatomy
1J H MILLIFF DVM PhD Prof and Head of Dept

1G R BRATTON DVM Instr

IL G GARCIA DVM Instr

IR G GREELEY DVM Assoc Prof

1A G KEMLER DVM MS Prof IJE MARTIN DVM Instr

IRAYMOND SIS DVM PhD Assoc Prof

IM E TATUM DVM Instr

10220

Veterinary Medicine and Surgery
12M R CALLIHAM DVM BS Prof and Head of Dept

IW C BANKS DVM MS Prof

1J D BELL DVM Instr

IC L BOYD DVM Asst Prof 1T L BULLARD DVM Instr

1J H DENTON DVM Asst Prof

1E W ELLETT DVM MS Assoc Prof

IW D EVERS DVM Asst Prof

1G M GOWLING DVM MS Assoc Prof

1H P HOBSON DVM Asst Prof 1D R HOWARD DVM Instr

1K W KNAUER DVM Instr

1D L PIERMATTEI DVM MS Assoc Prof

IJ C RAMGE DVM PhD Prof

IW M ROMANE DVM MS Assoc Prof

1A P SCOTT DVM Asst Prof

IR S TITUS DVM MS Asst Prof

1W A WOLFF DVM Asst Prof 1M F YOUNG DVM Asst Prof

eterinary Microbiology	10230	Research Centers	10295
12L C GRUMBLES DVM MS Prof and Head of Dept		Beaumont (Rice-Pasture Res and Ext Centr)	
2T E FRANKLIN DVM MS Assoc Prof		2J P CRAIGMILES PhD Supt 25J G ATKINS PhD Plant Path Rice Dis	
2J E GRIMES MA Instr Microbiol		25C N BOLLICH PhD Agron Rice Brdg	
12C F HALL DVM MS Prof Poultry Path 12J W HUFF DVM MS Asst Prof		2C C BOWLING MS Assoc Ent Insect Cont	
		25D L CALDERWOOD MS Agr Engin Rice Drying	
1P F JUNGERMAN DVM MS Prof 2C W LIVINGSTON DVM MS Asst Prof		2N S EVATT MS Assoc Agron Soils and Fert	
2R W MOORE DVM MS Assoc Prof		2W T FLINCHUM PhD Asst Prof Weed Control	
1F M RANCK DVM MS Instr Poultry Path		5F J LOUVIER BS Agr Engin Rice Drying	
12H E REDMOND DVM Prof		2J E SCOTT MS Asst Agron Rice Brdg	
1THEODORE VERA DVM MS Instr		2J W STANSEL PhD Asst Prof Rice Genet	
THEODORG VINUS AND		5B D WEBB PhD Chem Rice Quality	
		2J R WOOD MS Assoc Agron Forage Crops	
eterinary Parasitology	10240	Bushland (Southwestern Great Plains Res Centr)	
12R D TURK DVM MS Prof and Head of Dept		5J T MUSICK MS Dir and Agr Res Engin	
12R R BELL DVM MS Prof		5R R ALLEN BS Supt and Agr Engin	
12T J GALVIN DVM PhD Assoc Prof		5R A CLARK BS Agr Res Tech	
12C K JONES DVM MS Asst Prof		2N F DANIELS MS Assoc Ent	
		5R G DAVIS BS Agr Res Tech	
		5R F DUDLEY MS Res Agr Engin	
Veterinary Pathology	10250	5D A DUSEK MS Agr Res Tech (Soils) 5H V ECK PhD Res Soil Sci	
12C H BRIDGES DVM PhD Prof and Head of Dept		5V L HAUSER MS Res Agr Engin	
2W W BAY DVM MS Asst Prof Path		5W C JOHNSON PhD Res Soil Sci	
12R S BROWN DVM MS Instr 2J W DOLLAHITE DVM MS Prof Toxicol		50 R JONES BS Hydraulic Engin Tech	
2L P JONES DVM Asst Prof		50 R LEHMAN BS Res Agr Tech (Soils)	
2K L KUTTLER DVM PhD Prof Immunol		5F B LOTSPEICH PhD Res Soil Sci	
2P J O'HARA BVSc Instr Path		5A C MATHERS PhD Res Soil Sci	
12K R PIERCE DVM PhD Assoc Prof Path		5J J PARKER Jr BS Agr Res Tech	
2R M ROBINSON DVM Asst Prof Path		2K B PORTER PhD Prof	
		5A D SCHEIDER MS Agr Engin	
		2J L SHIPLEY PhD Asst Prof	
Veterinary Physiology and Pharmacology	10260	5D C SIGNOR MS Hydraulic Engin and Agr Engin	
1P W BURNS DVM BS Prof and Head of Dept		5W H SLETTEN MS Res Agr Engin	
1J G ANDERSON DVM Instr		5P W UNGER PhD Res Soil Sci	
1LARRY CLABORN DVM Asst Prof		2A F WIESE PhD Prof Weed Cont 5G C WILSON BS Agr Res Tech	
1R H DAVIS DVM MS Prof		Lubbock (South Plains Res and Ext Centr)	
1DAN HIGHTOWER DVM MS Assoc Prof		2C E FISHER MS Supt for Res	
1J D McCRADY DVM BS Prof		3R W BERRY PhD Area Plant Path	
1M SZABUNIEWICZ DVM DVSc Assoc Prof		5J D BILBRO Jr PhD Res Agron Cotton	
		5A D BRASHEARS MS Agr Engin Cotton Mech	
		5R D BRIGHAM PhD Res Agron Castorbean Inves	3
Veterinary Public Health	10270	2J R GIPSON MS Asst Plant Physiol Crops	
1A I FLOWERS DVM MS Prof and Head of Dept		2T E HADDOX Jr MS Asst Agron Grain Sorghum	
IMARTIN McBRIDE DVM Instr		25E B HUDSPETH MS Agr Engin Cotton Mech	
1L H RUSSELL DVM MPH Assoc Prof		2D L JONES MS Agron (Emeritus) Cotton	
1W G SHELDON DVM Asst Prof		2J H KYLE PhD Asst Prof Hort Veg Prod	
		5E B MINTON PhD Path Cotton	
		2JSNEWMAN MS Asst Agron Irrig	
		50 H NEWTON BS Met	
Water Resources Institute	10275	2A B ONKEN PhD Asst Prof Soil Fert	
12E T SMERDON PhD Dir		5C C ORR PhD Nematol	
12F A SCHMER MS Instr		2W L OWEN Jr MS Assoc Ento Cotton Insects 2L L RAY PhD Assoc Prof Cotton Brdg	
		2D T ROSENOW MS Asst Agron Grain Sorghum	
		5B R STAPP Agr Res Tech Castorbean Inves	
	10290	3J H VALENTINE MS Area Soil Chem Soil Fert	
Miscellaneous 3L L BURLESON MS Organ Spec	102.0	2H J WALKER MS Asst Agron Soil Fert	
3R E BURLESON MS Reports and Eval Spec		5D F WANJURA MS Agr Engin Cotton Mech	
30 B CLIFTON MS Prog Spec		2C W WENDT PhD Asst Prof Soil and Water	
13B D COOK PhD Studies and Training Spec		McGregor (Livestock and Forage Res Centr)	
123NETTIE CRENSHAW Admin Secy		2H O HILL BS CE Supt Soil and Water Structures	S
3H T DAVISON MS Asst State 4-H Club Leader		2W E KRUSE Ms Asst Anim Husb Beef Cattle	
3C E HEATON MS Resource Dvlpmt Spec		2R F LYNCH BS Asst Agron and Field Supvr Co	otton
3LOUISE C KILPATRICK MS Asst 4-H Club Le	eader	2G W McLEAN PhD Asst Soil Sci Soil Chem 2A A MELTON MS Assoc Anim Husb Beef Cattle	<b>a</b>
13E H KNEBEL EdD Head Agr Ed Dept and Ext	Studies	2M J NORRIS MS Agron Forages Soils and Grain	Cmns
and Training Spec		2J M SHELTON PhD Anim Genet Sheep and Ang	ora Goats
3F D LYNCH MEd State 4-H Club Leader		Overton (East Texas Res and Ext Centr)	
3G R McARTHUR BS Area 4-H Club Leader 3W A McCLUNG BS Rural CD Spec		2J C BURNS PhD Asst Prof Forage Physiol	
3J E POORE Asst Dist Ldr Pred Anim and Ro	dent	2J A LANCASTER MS Assoc Agron Forage Crop	os
Cont Cont		Weslaco (Lower Rio Grande Valley Res and Ext Cent	ir)
3J D PRICE PhD Ldr Agr Chem		2W R COWLEY MS Supt for Res	
3E F SCHLUTT PhD Assoc State 4-H Club Lec	ıder	2R T CORREA MS Asst Hort	
3MARGIE SELLERS MS Asst State 4-H Club L	eader	2H A DEAN MS Assoc Ent	
3JACK SLOAN MS Resource Dvlpmt Spec		2C J GERARD PhD Assoc Prof	
3W A SMITH BS For Spec		6D J HADDOCK BS Adv Agr Met (Weather Bur)	
3CLAUDIA WILLIAMS MS Prog Spec		5W G HART MS Res Ent	

**TEXAS** 10295-10310

Research Centers-Continued Field Stations - Continued 5M D HEILMAN MS Res Soil Sci Stephenville (Poultry Dis Lab) 2B W HIPP PhD Asst Prof 2E E KEAHEY DVM Assoc Poultry Path 2J L HUBBARD MS Assoc Agron Stephenville (West Cross Timbers Expt Sta) 5R W LEAMER PhD Res Soil Sci Soil Phys 2BCLANGLEY MS Supt Peanut Brdg 2P W LEEPER MS Assoc Hort 2T E DENMAN BS Assoc Hort Deciduous Fruits 2N P MAXWELL MS Assoc Hort Citrus Temple (Blackland Expt Sta) 5R M MENGES PhD Hort Weeds 25R W BAIRD MS Supt and Hydraulic Engin 5J E ADAMS PhD Res Soil Sci Phys 5V I MYERS MS Res Agr Engin Irrig 5L N NAMKEN MS Res Soil Sci Soil Phys 5E O OLSON PhD Res Path 5EARL BURNETT PhD Ldr Soil Mgt Invest 2E D COOK PhD Agron Cotton and Forage 5ASCENSION PEYNADO BS Res Chem 2U D HAVELKA BS Asst Agron Plant Brdg 5R J REKTORIK MS Res Agr Engin (Drain) 2M F SCHUSTER MS Asst Ent Bio Control 2R J HERVEY MS Assoc Soil Microbiol Cotton Root 2BAILEY SLEETH PhD Path Tyler (East Texas Res Sta) 5J R THOMAS PhD Res Soil Sci 23D N WEAVER MS Res Assoc and Area Agron 2P R JOHNSON MS Supt Agron 23S E CARPENTER BS As soc Dairy Husb Dairy Prod 5C L WIEGAND PhD Res Soil Sci Weslaco (Texas Col of Arts and Indus-Citrus and Ve; Trng 5R H YOUNG PhD Res Physiol Centr) 7R A HENSZ PhD Dir Hort 27J E FUCIK PhD Asst Prof Hort 7R F LEYDEN PhD Assoc Prof Agron 27R B REINKING MS Asst Prof Ent Field Stations 10.300 Angleton (Gulf Coast Pasture-Beef Cattle Res Sta) 2J C SMITH MS Supt Agr 2M E RIEWE MS Assoc Agron Forage Utiliz Yoakum (Plant Dis Expt Sta) 2A L HARRISON PhD Plant Path In Chg Tomato and Beeville (Coastal Bend Expt Sta) Peanut Dis 2E M NEAL BS Supt 2T E BOSWELL MS Asst Plant Path Watermelon Dis and 2B E CONRAD MS Asst Agron and Anim Husb Nematol 2LUCAS REYES Res Assoc Center (Poultry Dis Lab) 2R L CLIFFORD Jr DVM Assoc Poultry Path **USDA** Cooperating Stations 10310 Big Spring (USDA Big Spring Field Sta)
5D W FRYREAR Res Agr Engin and Supt Chillicothe (Rolling Plains Soil and Crops Res Sta) 2J R MULKEY Jr PhD Asst Soil Sci in Chg 2K A LAHR BS Asst Agron 5D V ARMBRUST MS Soil Sci 25C R LEWIS Agr Aide 5R G HADLEY Agr Res Tech Soils Crystal City (Rio Grande Plains Res-Dem Sta) Brownsville (Ent Res Centr) 2J D CARPENTER Farm Foreman 5M J LUKEFAHR PhD Leader Southwestern Cotton Denton (North Central Texas Res Sta) Insects Invest 2D I DUDLEY BS Supt Forage Crops 5C A BENSCHOTER BS Ent 2J H GARDENHIRE MS Asst Agron Barley and Oats 5H R BULLOCK PhD Ent 2P A RICH MS Junior Agron Soils 5N E FLITTERS MS Ent 23C O SPENCE MS Asst Agron (Sherman) 5H M GRAHAM PhD Ent El Paso (Far West Texas Res Sta) 5A A GUERRA PhD Ent 5A F HENDERSON MS Admin Off 5D E HENDRICKS BS Ent 2P J LYERLY PhD Supt and Res Coord of Trans-Pecos Area Cotton Impr 2J J HEFNER MS Asst Plant Path Cotton Dis 5R L McGARR BS Ent 2D E LONGENECKER PhD Assoc Agron Soils and 5J M McGOUGH BS Ent 5L W NOBLE BS Ent 2R M TAYLOR PhD Asst Agron Crop Physiol 5E F YOUNG Jr PhD Agron Cotton Impr 5M T OUYE PhD Ent 5R E REDFERN MS Ent Gonzales (South Texas Poultry Dis Lab) 5C A RICHMOND BS Ent 2S E GLASS DVM Assoc Poultry Path 5T N SHAVER PhD Chem Iowa Park (Wichita Valley Expt Sta) 5M SHAPIRO PhD Ent 2V I WOODFIN BS Res Assoc 5D A WOLFENBARGER PhD Ent Lubbock (Texas Tech College) Brownwood (Pecan Field Sta) 27H W GRUBB PhD Asst Prof Prod and Res Econ 5L D ROMBERG BS Res Hort 27CLARK HARVEY PhD Prof Soybean Invest 5G D MADDEN MS Res Hort 27C C JAYNES MS Assoc Prof Pasture and Forage College Station USDA Cotton Lab (USDA C & MS) Crops 5L J WATSON BA Cotton Tech (Officer in Chg) 27JAMES OSBORN PhD Asst Prof Prod Gen and 5F S EDDINS BS Cotton Tech Resource Econ 5F W SCHULTZ BS Cotton Tech Lufkin (East Texas Pasture Sta) Kerrville 2E K CROUCH BS Assoc Anim Husb in Chg Anim Dis and Parasite Res Div (USDA ARS) Toxicol Montague (Fruit Res-Dem Sta) Invest Lab 2U A RANDOLPH MS Assoc Hort Deciduous Fruits 5R D RADELEFF DVM Res Vet Toxicol Mt Pleasant (Dairy Invest Sta) 5D E CLARK MA Chem 2J A LANCASTER MS Assoc Agron Forage Crops 5L M HUNT BS Chem Pecos (Trans-Pecos Expt Sta) 5R T McCARTY DVM Res Vet Toxicol 2E L THAXTON Jr MS Assoc Agron in Chg Irrig 2T J ALLEN MS Asst Range Sci 5JSPALMERDVM Res Vet Toxicol 5F C WRIGHT MA Res Chem Prairie View (Expt Sta) See Prairie View A & M College 5R L YOUNGER DVM Res Vet Toxicol Sonora (Ranch Expt Sta) Entomology Res Div (USDA ARS) Livestock Insects Invest 2W T HARDY DVM Supt 2J W MENZIES MS Asst Anim Husb 50 H GRAHAM PhD Ent and Inves Leader 5W F CHAMBERLAIN PhD Ent Insect Physiol 2L B MERRILL PhD Range Sci 5R B DAVIS PhD Biol Spur (Rolling Plains Livestock Res Sta) 5H V CLABORN BS Chem in Chg Anal Inves 2P T MARION MS Supt Beef Cattle
2E E PARKER MS Res Assoc Range Mgt
2E D ROBISON MS Asst Range Sci Brush Cont

5R O DRUMMOND PhD Ent 5J L ESCHLE PhD Ent

5R L HARRIS PhD Ent

2W J WALDRIP PhD Assoc Range Sci (PO Seymour)

5R E GINGRICH PhD Ent Insect Path

TEXAS-IITAH 10310-10390

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5D H MANN BS Chem

5J A MILLER MS Agr Engin

Mission-Mission Sublab for Screwworm Res

5M M CRYSTAL PhD Ent

5R B DAVIS PhD Biol

5L W FLETCHER PhD Ent

5B G HIGHTOWER PhD Ent

Riesel--Blacklands Expt Watershed

25R W BAIRD MS Supt and Hydraulic Engin

5W G KNISEL Jr MS Hydraulic Engin 5J R WILLIAMS BS Hydraulic Engin

Waco-Cotton Insects Res Br

5C B COWAN Jr BS Ent in Chg Cotton Insects Res

5J W DAVIS BBA Agr Res Tech Plant Pests

5W C WATKINS Jr MS Ent Plant Pests

Plant Pest Control Div (USDA-ARS)

5D M McEACHERN Plant Pest Control Supvr in Chg (PO San Antonio)

5W H HARE Asst Plant Pest Control Supvr (PO San Antonio)

5J G ROSIER Staff Asst (PO San Antonio)

5B C STEPHENSON Dist Supvr (PO Harlingen)

5J F ELLARD Dist Supvr (PO Houston)

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5D H RUSSELL Dist Supvt (PO Lubbock)

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10315

EBEVANS DVM Pres

10320 Agriculture

1G L SMITH MS Deam of Sch of Agr (713-UL 7-3311 Ext 280)

125J M CORUTHERS PhD Agr Econ (713-UL 7-3311 Ext 294)

1L W ENGRAM MS Dairy Husb (713-UL 7-3311 Ext 292) 1E J JOHNSON MS Agr Engin (713-UL 7-3311 Ext 293)

1J I KIRKWOOD PhD Agron (Soils) (713-UL 7-3311 Fyt 287)

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125E W OWENS PhD Hort (713-UL 7-3311 Ext 294) 1A N POINDEXTER DVM Vet Sci (713-UL 7-3311

Ext 298) 1J R POWELL MS Asst Teacher Trainer (713-UL 7-3311 Ext 291)

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3R A SANDERS MS Area Prog Spec 3D H SEASTRUNK MS Farm and Home Devlpmt Spec

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1Mrs DELIA M HUNT MS Clothing

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10 J BAKER MLS Libr

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125R W LEWIS PhD Prof Poultry Nutr

125E W OWENS PhD Prof Fruit Prod

1250 E SMITH MS Assoc Prof Small Grains and Cereal Cmps

125J J WOODS MS Assoc Prof Poultry Mgt and Prod

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10360

10390

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12B L RICHARDS PhD Prof (Emeritus) Bot

25C L SCHNEIDER PhD Res Plant Path

1R J SHAW PhD Assoc Prof Taxon and MorphoI

25MYRON STOUT BS Res Plant PhysioI

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1HO VAN ORDEN PhD Prof Organic Chem

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12D S JENNINGS PhD Prof (Emeritus) Soils
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1G W REYNOLDS PhD Meteorologist
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12R T DuBOSE DVM MS Prof Virol
12W B GROSS DVM PhD Prof Poultry Path

2Mrs LILLIAN V HOLDEMAN PhD Assoc Prof Microbiol

3S L KALISON DVM BS Prof Ext Vet

2H L KLEWER MS Asst Prof Parasitol

2K G LIBKE DVM MS Prof Path

3G A MacINNIS DVM BS Assoc Prof Ext Vet 3G L McNEILLY DVM MS Assoc Prof Ext Poultry Vet

2W E C MOORE PhD Prof Bact

2J C OSBORNE DVM MS Prof Path

2R M SMIBERT PhD Prof Bact

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11010

Beef Cattle Research Station PO Front Royal-(Coop USDA) 253 M PRIODE MS Asst Prof Anim Sci and Supt

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2H M CAMPER Jr BS Asst Prof Agron and Supt

3L B ALLEN BS Asst Prof Gen Livestock

Piedmont Res Sta PO Orange-

2G D JONES BS Asst Prof Agron and Supt

Shenandoah Valley Res Sta PO Steeles Tavem-

2W H McCLURE MS Asst Prof Anim Sci and Supt 2A M WOODSIDE MS Assoc Prof Forage Insects

Southside Va Res Sta PO Charlotte Court House-

2R D SEARS BS Asst Prof Agron and Supt

Southwest Va P.es Sta PO Glade Spring-2F S McCLAUGHERTY MS Asst Prof Anim Sci and Supt

Tidewater Res Sta PO Holland -

23H M CLARK BS Supt 2M W ALEXANDER MS Asst Prof Crops

3A H ALLISON BS Asst Prof Crops and Soils 3J H CARTER Jr MS Asst Prof Swine

5G B DUKE BS Ass∞ Prof Agr Engin (ARS)

5K H GARREN PhD Prof Plant Path Peanut Dis Pod Rot(ARS)

2D L HALLOCK PhD Assoc Prof Soil Fert

2L I MILLER PhD Prof Plant Path Nematol 2J C SMITH PhD Asst Prof Peanut Insects
2H R THOMAS MS Assoc Prof Swine

Tobacco Dis Res Sta PO Chatham-

2J L LaPRADE MS Assoc Prof Plant Path Tobacco Dis Resistance

2J L TROUTMAN PhD Assoc Prof Plant Path Virol Tobacco Dis

2W H WILLS PhD Assoc Prof Plant Path Root Dis Tobacco

Tobacco Res Sta PO Chatham-

2C B DOMINICK MS Assoc Prof Tobacco Insects 2M J ROGERS BS Asst Prof Agron and Supt

Virginia Forage Res Sta PO Middleburg-

2H T BRYANT PhD Assoc Prof Agron and Supt 2R C HAMMES Jr BS Asst Prof Crop Mgt

2R L BOMAN MS Instr Crop Mgt Virginia State Col Res Sta PO Petersburg

2M T CARTER MS Assoc Prof Agron

# Outlying Laboratories

11020

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23E L PHILLIPS MS Assoc Prof Pomol Winchester Res Lab PO Winchester-

2C H HILL PhD Prof Fruit Insects
2G C ROCK PhD Asst Prof Fruit Insect Nutr

23G R WILLIAMS MS Prof Pomol

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11190

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11290

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Wenatchee)

11300

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3INEZ M ECKBLAD MA Food Spec

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12D R BIENZ PhD Assoc Prof and Assoc Hort

25S W BURT BS Collab in Hort (PO Wenatchee)

2W J CLORE PhD Hort (PO Prosser) 25E S DEGMAN PhD Hort (PO Wenatchee)

3J C DODGE MS Hort Spec (PO Puyallup)

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25J T WALDHER BS Collab in Plant Path The College of Forestry of the University of Washington, Seattle 98105 1College Staff 2Station Staff 3Extension Staff 11330 ▲Leave of Absence Sociology (Rural) 123W L SLOCUM PhD Prof and Rural Social and Chmn of 11372 Dept 12C E ODEGAARD PhD Pres of Univ (206-543-5010) 12F M. BERARDO PhD Asst Prof and Asst Rural Social 12J S BETHEL PhD Dean of Col of For (206-543-2730) 124E C ERICKSON PhD Asst Prof and Asst Rural

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12J J VITALE PhD Prof Nutr

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# INDEX OF NAMES

To locate an individual: 1. In index, find name, code numerals, and State where employed. 2. Find State listing of names (see headings at top of each page). 3. Use code numerals beside name in index to locate individual's department in State list (use code numerals at top of each page as guide). 4. Individual is listed in department with same code numerals as those beside name in index.

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ALEXANDER 11 350 Ton

ALEXANDER 11 10 100 Lin

ALEXANDER 11 10 100 Chis

ALEXANDER 11 10 50 Chis

ALEXAN

ANDRESEN J W 3406 III

ANDREW F W 3300 III

ANDREW F W 3406 III

ANDREW F W 3300 III

ANDREW F W 3406 III

ANDREW APPLEQUIST ME D SAV ALL APPS J W 11630 Wis ARAGAKI MINORU 3030 Haw APPS J W 11630 Wis ASAY KAY 6030 Mo PR
ARAGAKI MINORU 3030 Haw ASCHBACHER PW 7690 N Dak
ARANA CARLOS BRYAN 8960 PR
ARANA SOTO AMELIA 8980 PR
ARANT ANAMERIE 7450 N C
ASENJO C F 9090 PR
ASENJO C F 9090 PR
ASENJO C F 9090 PR
AXELTON M C 3850 Kan
AXLEY J H 4810 Md
AXTELL R C 7440 N C

ATILES HERNANDEZ ANTONIO 8990 AXLEY J H 4810 Md

AXTELL R C 7440 N C

AXTHELM D D 6510 Nebr

AYALA-ALMODOVAR ALEJANDRO

#### AYDLETT- BARKLEY

BAGBY JOHN 170 Ala

BAKER MARJORIE O Mrs 8380 Okla

BAKER MARJORIE O Mrs 8380 Okla

BAKER N F 1177 Calif

BANNISTER DELLA 11140 Va

BANTA E S 8020 Ohio

BARBAGAR A E 6540 Nebr

BARBAGAR A E 6540 Nebr

BARBAGOR A E 6540 Nebr

BARBANNOWAKI R M 2240 Fla

BAHLER T L 10610 Utah

BAKER R H 7960 Ohio

BARBER L T 7520 N Y

BAILEY A C 120 Ala

BAKER R L 4920 Md

BAKER R L 4920 Md

BAKER R L 4920 Md

BARBER S 54320 Ind

BAKER R L 4920 Md

BARBARBOUR HELEN F 8380 Okla

BARBOUR HELEN F 8380 Okla

BARBADACH J E 5454 Mich

BARBALEY J L 10400 Mca

BAKER R R 1410 Colo

BARBADACH J E 5454 Mich

BARBALEY J E 2860 Ga

BAKER R R 1110 No

BAKER R R 1110 No

BAKER R R 1 110 No

BAKER R I 100 No

BAKER R I 100 No

BARBAGAR A E 6540 Nebr

BARBAGAR A E 6540 Nebr

BARBAGAR A E 6540 Nob

BARBAGAR A E 6540 Nob BAILEY LENA M Mrs 8010 Ohio BALD J G 1310 Cdif BARKEIM ARLEEN L 5560 Minn BAILEY M E 3780 lowa BALDAUF R J 10170 Tex BALDAUF R J 10170 Tex BALDAUF R J 10280 Tex BARKER A V 5120 Mich BALDAUF R J 10280 Tex BARKER G L 5880 Miss BALDRIDGE D E 6390 Mont BARKER G L 5880 Miss BALDRIDGE D E 6390 Mont BALDRIDGE D E 6390 Mont BARKER G L 5880 Miss BALDWIN A L 7260 N Y BALDWIN CLARA P Mrs 7260 N Y BARKER H A 770 Calif BALDWIN CLARA P Mrs 7260 N Y BARKER K R 7510 N C BALDWIN P H 1550 Colo BALDWIN P H 1550 Colo BALDWIN RUTH E 6050 Mo BALDWIN RUTH E 6050 Mo BARKER W J 9400 S C BARKER W J

BARKLEY P M 1430 Colo
BARKLEY T M 1890 Km
BARLEY T M 1890 Km
BARKLEY T M 1890 Km
BARLEY T M 1890 Km
BARKLEY T M 1890 Km
BARKLE

#### BEARD- BERGDOLL

BEARDER WITH M 8010 Ohio
BEARDER BJ 9790 Tenn
BEARD

BENGEAUN PJ 2350 G
BENGELAND ME 5690 Man
SEZEZCH TROMAS 300 III
BEZZEZCH TROMA

#### BLANK-BOSTIAN

BLANK CL 5020 Mich
ELANK CL 5020 Mich
ELANK CL 5020 Mich
ELANK CO 5050 Mich
ELANK CO 5050

BOYDELL BS 1220 Celif SCOSELL; P.C. 2720 On France SCOSELL; P.C. 2720 On F

#### BRENT-BROWN

BRENT FV STOD Miss
SPICISLED GO 8886 F9
BRICT CH 17440 NC
BRETT CH 1740 NC

## BROWN W \$100 Ohio
## BROWN W \$210 F F G
## BROWN W \$210 F F

BURR - CANNON

BURR ELIZABETH A 4240 Ky
BURR T W 8866 Pa
BUXTON J A 9460 S C
BURR T W 8866 Pa
BUXTON J W 4250 Ky
BURR T W 8866 Pa
BUXTON J W 4250 Ky
BURR T W 8866 Pa
BUXTON J W 4250 Ky
BURR T W 8866 Pa
BUXTON J W 4250 Ky
CALL A B Mrs 10540 Utah
CALL D L 7250 N Y
BURROUGHS A L 4090 Kan
BURROUGHS E R 3234 Idaho
BYERRY C O CSRS
BURROUGHS J D 5110 Mass
BYERS G B 4180 Ky
CALL E P 3910 Kan
BURROUGHS J D 5110 Mass
BYERS G B 4180 Ky
CALLAHAN C J 3560 Ind
BURROUGHS W 3640 Iowa
BYERS G B 6650 N H
BURROUGHS W 3640 Iowa
BYERS BY 8050 Ohio
BURROUGHS W 3640 Minn
BURROUGH W 7340 NY
BYERS R A 2640 Ga
BURROUGH S W 5600 Minn
BURT O R 5970 Mo
BURT O R 6400 Mash
BURT O R 6400 Ma BURYRL 547 Ariz BURZLAFF DF 6410 Nebr

| BUSY R L S47 ARI
| BUSY R L S49 ARI
| BUSY R L S4 CAMERON JANET L 10950 Va

CANIMAM NO 7346 NY
CAMNON NY 80 MI C
CANOND CI LI 1190 Mob
CANOVER HELEN G 720 NY
CANOVER HELEN G 720 NY
CANOVER HELEN G 720 NY
CARPEN ET B 7300 Mob
CANOVER HELEN G 720 NY
CARPEN ET B 7300 Mov
CANOVER HELEN G 7300 NY
CARPEN ET B 7300 Mob
CANOVER HELEN G 7300 NY
CARPEN ET B 7300 Mob
CANOVER HELEN G 7300 NY
CARPEN ET B 7300 Mob
CANOVER HELEN G 7300 NY
CARPEN ET B 7300 Mob
CANOVER HELEN G 7300 NY
CARPEN ET B 7300 NO
CARPEN ET B 7300 NY
CARPEN ET

#### CERMAK - CLARK

CLARK ELIZABETH D Mrs 7620

CLINE A J 1380 Colo

COLE D W 11375 Wash

CLINE J H 7910 Ohio

CLIE G L 470 Ariz

CLARK F G 4590 La

CLINE A J 1380 Colo

CLIE J H 7910 Ohio

COLE G L 1830 Del

CLARK F G 4590 La

CLINE R A 9510 S Dak

CLINE R A 9510 S Dak

CLARK G E 4620 La

CLIVER D O 11580 Wis

CLARK G H 10930 Va

CLARK H B 2000 Fla

CLOANINGER B D 9270 S C

CLARK H W 1010 Va

CLARK H W 1010 Va

CLARK H W 1010 Va

CLARK H W 9650 S Dak

CLONINGER W H 8770 Pa

CLARK H LEEN E 3530 Ind

CLARK J C 9840 Tenn

CLARK D Wis

CLARK H W 1050 Me

CLARK L E 4690 Me

CLOUSE D W 11375 Wash

COLE G L 1830 Del

CLOUSE R W 420 Ariz

COLE H H 910 Calif

COLE J E 10180 Tex

COLE J CLARK M W | 6000 Mo
CLARK N A | 4810 Md
CLARK N A | 4810 Md
CLARK R B | 7900 Ohio
CLARK R C | 11760 Wis
CLARK R C | 1160 Wis
CLARK R R | 3630 Iowa
CLARK R R | 3630 Iowa
CLARK R R | 5750 Miss
CLARK R R | 11600 Mo
CLARK R R | 11600 Mo
CLARY R R | 11600 Mo
CLAYTON R P | 5750 Miss
CLARK R R | 10325 Tex
COBBLE R R | 7910 Ten
CLAYTON R P | 5750 Miss
COBRER R | 7910 Ten
CLAYTON R P | 5750 Miss
COCHRAN R | 7770 N Dok
COCHRA CLARK MARYBELLE H Mrs 353U Ind CLARK N A 4810 Md CLARK R A 10295 Tex CLARK R B 7900 Ohio CLARK R B 8070 Ohio CLARK R C 11760 Wis CLARK R C Jr 11790 Wis CLAYTON RUTH V Mrs 10490 Utah
CLEAVELAND LAURA M 8620 Oreg
CLEAVER THAYER 980 Calif
CLEAVINGER E A 3850 Kan
CLEGG R E 3880 Kan
CLELAND C L 9724 Tenn
CLELAND C L 9760 Tenn
CLELAND W W 11590 Wis

 

 CLARK DUCILLE A
 8380 Okla
 CLOUSE J F 3480 Ind
 CULE H O 3510 Ind

 CLARK M J 4597 La
 CLOWER D F 4435 La
 COLE W T 570 Ark

 CLARK M W 6000 Mo
 CLUTTER J L 2480 Ga
 COLEGROVE E B 3280 Ill

 CLARK MARYBELLE H Mrs 3530 Ind
 CLYATT GWENDOLYNE Mrs 10140
 COLEMAN A L 4300 Ky

 CLARK N A 4810 Md
 Tex
 COLEMAN A L 3420 Ind

 CLARK R A 10295 Tex
 CLYBURN T M 2620 Ga
 COLEMAN MARY C 5340 Mich

 COGBURN DANDAMA 2 2300 COGGIN H T 2380 Ga COGHILL JOANNE E Mrs 1640 Conn COHEN MORTIMER 2240 Fla CLELAND C L 9760 Tenn COHEN MORTIMER 2240 Fla COLLINS W M 6720 N H CLELAND W W 11590 Wis COHENOUR F D 5720 Miss COLLINS W M 6720 N H CO

COLLINS W K 7400 N C COLLINS W M 6720 N H

#### COLVIN-COURNOYER

COLVEN. F. STO. Mas.

COURSON R L 3390 III 
 COURSON R L
 3390
 III
 CRAIGMILES J P
 10295
 Tex
 CROSIER W F
 7332
 N Y

 COURTER J W
 3360
 III
 CRAIN G B
 5720
 Miss
 CROSS AUREAL
 5220
 Mich

 COURTNEY LUCY E
 9830
 Tenn
 CRAIL J M
 2250
 Fla
 CROSS C E
 5165
 Mass

 COURTSAL F R
 3500
 Ind
 CRAIL S W
 550
 Ark
 CROSS C E
 5180
 Mass

COUNTSON R.L. 3390 III
COUNTERALY H.V. 3460 Ind
COUNTER J.W. 3460 Ind
COUNTERLY B.J. 4460 I.G.
COUNTIAL J. 7575 N.C.
COUNTIAL J. 7575 N.C.
COUNTIAL J. 7575 N.C.
COUNTIAL D. 8460 I.G.
COUNTER B.J. 1030 Del
COUNTY B.J. 1040 I.G.
CO COX MAPY M 8380 Okla
COX R C 6645 Nev
COX R F 3860 Kam
COX R W 7770 N Dak
COX R W 7770 N Dak
COX W S 8420 Okla
COX W S 5770 Miss
COX W T 120 Ala
COX W T 120 A

CURNINGHAM - DAVIS

DAILL H M. 8TJ. Colli

SURDINGHAM C J 7835 Chb

CURNINGHAM C J 8 500 M/s

CURNINGHAM C J 7835 Chb

CURNINGHAM C J 7836 Chb

DAVIS L P. 5453 Mide
DAVIS L P. 5450 Mide
DAVIS L P. 5450 Mide
DAVIS L P. 5450 Mide
DAVIS L P. 5100 Mile
DAVIS L P

#### DELIEL - DOROW

ECUEL-10 3070 love
DEUTSCH H M 4000 Keess
DEUTSCH H M 2000 Keess
DEWEN I D 2000 K

DORSEY CK 11510 W Vg
DORSEY CF 11580 W Vg
DORSEY CF

DUYALL BARDURRITE L.Ms. 8076 Po

DIYALL MARBURRITE L.Ms. 8076 Po

DUYAL AND Man

DIYAL AND MAN

ELLIS POSCOE JI 3890 Kan
ELLIS POSCOE JI 3890

EYESTONE C L 3970 Kans EYVINDSON R K 3690 Iowa EZZELL A B 7960 Ohio EZZELL A B 7935 Ohio

FAULKNER L C 1390 Colo
FAULKNER L R 11320 Wash
FAULKNER M D 4580 La
FAULKNER M D 4580 La
FAULKNER T L 110 Ala
FAUNCE W A 5410 Mich
FAUROT J L 6396 Mont
FAUST SID 6960 N J
FAVRETTI R J 1660 Conn
FAW R E 3955 Kans
FAWCET N G 7890 Ohio
FAY JEAN A Mrs 5370 Mich
FAZIO STEVE 470 Ariz
FEAD J W N 1460 Colo
FEASTER J P 2030 Fla
FERNANDEZ JELIA 9065 P R
FERNANDEZ JM 4290 Ky
FERNANDEZ JM 4290 Ky
FERNANDEZ JM 4290 Ky
FERNANDEZ JM 290 FABRIAN S 6920 N J
FARBAS MILLOS 310 SAY
FAR

FINCH IS 400 MIS
FINGERANCE 12 DI 0 Most
FINGERANCE 12

## FOWLER- FURMAN

FOWLER M L 10000 Tex FREDERICK H W 3920 Kan FRITSCHEN R D 6590 Nebr FOWLER MARCUS L 10000 Tex FREDERICK HILDA 3170 Idaho FRITTON D D 3630 Iowa FRUTH ANN Mrs 10525 Utah FREDERICK L R 3630 Iowa FRITTS D H 6310 Mont FRUTH R STANLEY E 8380 Okla FREDERICK ELDON 3470 Ind FRITZ G J 2050 Fla FROWLER STANLEY E 8380 Okla FREDERIKSEN K R 3070 Idaho FRITZ G J 2050 Fla FROWLER W B 11290 Wash FREDERIKSEN R A 10150 Tex FROEHLICH H A 1364 Calif FOWLER W E 240 Ala FREDERICKSON CARMEN Mrs 10570 FROHBERG NORMA R Mrs 37 FOX A C 9700 S Dak Utah FREDRICKSON CAROLINE M 5560 FROLIK E F 6400 Nebr

FOOLER BIT HAS DE LAS DEAD LOAD FOOLER STANLEY E 380 Okto FOOLER STANL FROEHLICH H A 1364 Calif

FYERE 440 Ariz

### G

FURNISS M M 3234 Idaho

GARBER M J 1290 Calif

GARRISON 0 B 9270 S C

FURR DALE 2920 Hawaii

GARBER M J 1290 Calif

GARRISON 0 B 9270 S C

GARRISON R H 9450 S C

GARRISON R L 8570 Oreq

GARRISON R L 8570 Oreq

FURR R E 5880 Miss

GARBER S K 8820 Pa

GARRISON R L 8570 Oreq

GARRISON R L 9450 S C

GARRISON R L 8570 Oreq

GARRISON R L 9450 S C

GARRISON R L 9450 O Calif

GARRISON R L 8570 Oreq

GARRISON R L 9450 S C

GARRISON R L 945 S C FUTRELL G A 3690 lowa GARCIA-ORTE GA HAFALL 8940 F D FUZESI MARTHA Mrs 1710 Conn GARCIA-RIVIERA JEAN 8985 P R GARD L E 3250 III GARD R E 11630 Wis GARDA F. 11639 Wis GARKING AS 950 Ten GARDA-TADURIC 9010 PR GARKING AS 950 Ten GARDARER B. D 1340 Utoh GARDARER B. D 1350 Utoh GARD RE 116.30 Wis GASKILL JO 1410 Color GARDENHIRE JH 10300 Tex GASKINS C B 2560 Ca GARDIA-TADURI C 9010 P R GASPARD J T 7400 N C GARDNER B D 10440 Utch GASPER EDITH H Mrs 1580 Conn GARDNER B R 370 Ariz GASSETT LORNA J 9830 Tenn

GASCHO G J 5420 Mich GASHWILER J S 8570 Oreg GASKILL J O 1410 Colo

### GENETELLI-GOFF

CENETELLI E J 6960 N J GEPTON DE MIT 940 Celt GEPTON DE MIT 940 CELT

GOFF O E 9680 Tenn
GOGGANS JF 140 Ala
GORDANS JF 140 Ala
GORDAN JF 140 Ala
GORDANS JF 140 

## GREB-GWINN

 
 GREB B W
 1560
 Colo
 GRIBBLE D H
 1177
 Cdlif
 GROVES GLADYS H Mrs
 7820

 GREB R J
 9610
 S Dak
 GRIER H E
 5900
 Miss
 GROVES H F
 8040
 Ohio

 GREELEY FREDERICK
 5090
 Mass
 GRIER LINELLE E Mrs
 5890
 Miss
 GROVES KERMIT
 11220
 Wash

 GREELEY R G
 10200
 Tex
 GRIER LINELLE E Mrs
 5890
 Miss
 GRUVES KERMIT
 11220
 Wash

 GREEN LINELLE E Mrs
 50040
 Ohio
 GRUBB H W
 10300
 Tex
 GREEN B L 590 Ark GREEN BUCK 4390 La GRIFFETH W L 7250 N Y GRUBB H W 10300 Tex
GREEN CHRISTOPHER 7410 N C GRIFFETH W L 7250 N Y GRUBBS D Z 8908 Pa
GREEN D E 3630 Iowa GRIFFIN BARBARA H Mrs 9830 Tenn GRUBBS T M 5770 Miss
GREEN D E 5000 Miss GRIFFIN D I 10460 Herb GREEN G D 5700 Miss GREEN G G 10840 Va GREEN H B 5860 Miss GREEN H W 110 Ala GREEN L R 1240 Calif GREEN M M 1020 Calif GREEN M M 1020 Calif GRIFFIN R E 10462 Utah GREEN M M 1020 Calif GRIFFIN R H 4750 Me GREEN M M 1020 Calif GRIFFIN R H 4750 Me GRIFFIN S M 3740 Tenn GREEN M M 1020 Calif GRIFFIN R H 4750 Me GRIFFIN S M 3740 Tenn GRIVIN JOHN 6890 N J GRIFFIN S M 3740 Tenn GRIVIN JOHN 6890 N J GRIFFIN S M 3740 Tenn GRIVIN JOHN 6890 N J GRIFFIN S M 3740 Tenn GRIVIN JOHN 6890 N J GRIFFIN JOHN 6890 N J GRIFFIN S M 3740 Tenn GRIVIN JOHN 6890 N J GRIFFIN S M 3740 Tenn GRIVIN JOHN 6890 N J GRIFFIN JOHN MEXTERVELT 6870 N J GRIFFIN JOHN MEX GRIFFIN D R 3830 Iowa GRIFFITH D R 3600 Ind GREEN T L 10030 Tex GRIFFITH D R 3600 Ind GREEN V E J 2240 F Ia GRIFFITH D R 3600 Ind GREEN V E J 2240 F Ia GRIFFITH MELVIN 4520 La GRIFFITH MELVIN 4520 La GRIFFITH MELVIN 4520 La GRIFFITH M M 2050 F Ia GRIFFITH M M 2050 F Ia GREEN BABRARA E 1500 Colo GRIFFITH S H J 5650 Minn GREEN E L 1000 Ky GRIFFITH S H J 5650 Minn GREENE G L 2240 F Ia GRIFFITH S H J 5650 Minn GREENE G L 2240 F Ia GRIGGS W H 1100 Calif GREENE G R 220 Ala GRIGGS W H 1100 Calif GREENE G N 220 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIGGS W H 1100 Calif GREENE J E 240 Ala GRIMES D W 1155 Calif GREENE J E 240 Ala GRIMES D W 1155 Calif GREENE J E 240 Ala GRIMES D W 1155 Calif GREENE J E 240 Ala GRIMES D W 1155 Calif GREENE J E 240 Ala GRIMES D W 1155 Calif GREENE J E 240 Ala GRIMES D W 1155 CALIF G GREENWOOD KATHRYN M 8380 Okla GRISE V N 4180 Ky GREENWOOD MARY N 5930 Mo GREENWOOD MARY N 6020 Mo GREER A L 8260 Okla GREER BETTY J Mrs 4550 La GREER E G Jr 8440 Okla GREER E G Jr 844U OKIG GROUNER R M 4490 LG GUISEY W F 3500 Ind
GREER J D 6480 Nebr GROGAN C O 7250 N Y GUSHEE NELLIE 4760 Me
GREER MARY H Mrs 9970 Tenn GROGAN R G 1090 Calif GUSS S B 8870 Pa
GREER PHYLLIS B Mrs 6990 N J GROMATZKY IRENE 10110 Tex GUSS S B 8900 Pa
GREER W A 1430 Colo GRONAU D M 3850 Kans GUSTAFSON D P 3560 Ind GREER W A 1430 Colo GREER W A 1483 Colo GREGG B R 30 Ala GREGG B R 5700 Miss GREGG D E 5360 Much GREGORY C L 6080 Mo GREGORY G R 5453 Mich GREGORY K E 6420 Nebr
GREGORY M E 7460 N C
GREGORY M PFLUGE Mrs 7480 N C
GREGORY ORRINE Z Mrs 5980 Mo
GREGORY ORRINE Z Mrs 6050 Mo GREGORY P W 910 Calif GREGORY S M 3430 Ind GREGORY W C 7400 N C GREGORY W F 11550 W Va GREICHUS ALGIRDAS 9610 S Dak 
 GREIG W S 5250 Mich
 GROTH A H 6100 Mo
 8940 P R

 GREINER J B 1620 Conn
 GROTH A H 1 1 210 Ala
 GUZMAN V L 2240 Fla

 GREMARD R S 3540 Ind
 GROTH EVELYN L 5650 Minn
 GWIN P H 5980 Mo

 GREVE R W 8320 Okla
 GROUT A R 8800 Pa
 GWIN R E Jr 4120 Kan

 GREWELING THOMAS 7250 N Y
 GROVER B L 10575 Utah
 GWINN P H 6020 Mo

 GREY G W 4000 Kan
 GROVER R M 5170 Mass
 GWINN S M 1790 Del

GRIESEMER R A 8040 Ohio GRIFFIN BARBARA H Mrs 9830 Tenn
GRIFFIN D L 10460 Utch
GRIFFIN F L 970 Calif
GRIFFIN G D 10410 Utch
GRIFFIN G F 1660 Conn
GRIFFIN R E 10462 Utch
GRIFFIN R E 10462 Utch
GRIFFIN R S A 9740 Tenn
GRIFFIN T B 9990 Tex
GRIFFIN T B 9990 Tex
GRIFFIN T B 9990 Tex
GRIFFIN T B 4050 Tex
GRIFFIN T B 10500 Tex
GRIFFIN T B 10500 Tex
GRIFFIN T B 10500 Tex
GRIFFIN T B 11460 W Va
GRIFFIN VIRGINIA R 11460 W Va Minn
GRISE V N 4180 Ky
GRISHAM W W Jr 10110 Tex
GRISSON E E 5710 Miss
GUNTALUS MERLE Mrs 90.
GUNTER B C 10110 Tex
GUNTHER F A 1270 Cali
GUPTA A P 6950 N J GRIZZELL W G 2010 Fla GRODER R H 8500 Oreg GRODNER R M 4480 La GRONAU DM 3850 Kans
GRONE WOLLER H P 1487 Colo
GRONWALL RONALD 4090 Kans
GROND D A 11470 W Va

GROND D A 11470 W Va

GROND GROND D A 11470 W Va

GROND GROND D A 11470 W Va

GROND D A 11470 W Va GROOM D A 11470 W Va GUSTIN R D 9610 S Dak
GROOMS R D 2360 Ga GUTHRIDGE CORA L Mrs
GROOVES F W 11620 W is GUTHRIE AUDREY 1880
GROPPE CHRISTINE C Mrs 873 Calif GUTHRIE F E 7440 N C
GROOPE CHRISTINE C Mrs 873 Calif GUTHRIE F 7440 N C
GROOPE CHRISTINE C Mrs 873 Calif GUTHRIE F 7440 N C GROSCH D.S 7480 N.C GUTHRIE HELEN A 8884 PGROSECLOSE MARGARET A 10865 V.c GUTHRIE J.W 3190 Idaho GROSS A E 8720 Oreg GROSS C H 5260 Mich GROSS H D 7400 N C GROSS HR Jr 4435 La GROSS J E 7750 N Dak GROSS K I 11200 Wash 

GRUBBHW 10300 Tex GRUENHAGEN R H 10970 Va GRUENWEDEL DIETER 1010 Calif GUDAUSKAS R T 60 Ala GUENTHER J J 8270 Okla GUENTHNER EDMUND 9670 S Dak GUILLORY VERNA D Mrs 4500 La GUNNER H B 5075 Mass GUNSALUS MERLE Mrs 9630 S Dak GUNTHER F A 1270 Calif GURLEY W H 2350 Ga GUSTAFSON DAGMAR 1500 Colo GUTHRIDGE CORA L Mrs 650 Ark GUTHRIE AUDREY 1880 Del GUTHRIE M VIRGINIA 3350 III GUTHRIERS 7280 NY GUTHRIEWD 3830 Iowa GUTIERRES JEAN A Mrs 2970 Haw GUTTAY A J R 1660 Conn

GROVES GLADYS H Mrs 7820 N Dak

CWINN W IN 800 Del CWINN W IN 800 AND THE STORY OF A CONTROL OF 300 Men HAIRE PETTER 15 Men 1330 Ind HAIRE PETTER 15 Men 133

### HAMRE- HARRIS

HAMRE HARRIS

HAMRE M L 5620 Minn
HAMSON AR 10540 Utch
HAMSON W D 7480 N C
HAMSTEADE O 11550 W Va
HANSON W D 7480 N C
HAMRE ARRE R L 2385 Ga
HANCHEY ROLL
HANNON J 1510 Colo
HANCHEY ADA W Mrs 4480 La
HANSON W D 7480 N C
HANNON J 1510 Colo
HANCHEY R H 4340 La
HANCOCK B G 10180 Tex
HANCHEY R H 4340 La
HANCOCK B G 10180 Tex
HANWAY D G 6410 Nebr
HANCOCK S G 10180 Tex
HANWAY D G 6410 Nebr
HAND D B 7310 N Y
HAND LEONARD 6090 Mo
HAND LEONARD 6090 Mo
HAND LEONARD 6090 Mo
HAND L 9290 S C
HANCELOX P Mrs 8850 Pa
HANCHEY R H 4340 La
HARD ARRE R D 1830 Colo
HANCHEY R H 4340 La
HARD ARRE R D 1830 Colo
HANCHEY R H 4340 La
HARD ARRE R D 1830 Colo
HANCHEY R H 4340 La
HARD ARRE R D 1830 Colo
HANCHEY R H 4340 La
HARD ARRE R D 1830 Colo
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HARD ARRE R D 1830 Colo
HANCHEY R H 4340 La
HARD ARRE R D 1830 Colo
HARD ARRE R D 1830 Colo
HANCHEY R H 4340 La
HARD ARRE R D 1830 Colo
HARD ARRE R D 18 HANNY DOROTHY Y Mrs 7170 N Mex HARDWICKE CALLIE C Mrs 7450
HANNOVER S J 4220 Ky
N C
N C
HANSARO La HARDY A V 7575 N C
HANSEN S L 4360 La HARDY D E 2960 Haw
HANSCHE P E 1100 Calif HARDY G E 550 Ark
HANSEN E P E 1100 Calif HARDY G E 550 Ark
HANSEN LILLIAM 7250 N Y HARDY HARDY HARDY G E 550 Ark
HANSEN MILLIAM 7250 N Y HARDY HARDY HARDY HARDY G E 550 Ark
HANSEN MILLIAM 7250 N Y HARDY HARDY HARDY HARDY HARDY G E 550 Ark
HANSEN G J 1100 Calif HARDY HAR HARLAN J R 8260 Okla HARHUS P C 4650 Me
HANSING E D 4050 Kan HARLAN J R 8260 Okla HARRIS P C 4780 Me
HANSING E D 4050 Kan HARLON R D 10050 Tex HARRIS P C 4780 Me
HANSON DORIS E 3530 Ind HARMAN O R 11450 W Va HARRIS P HOEBE T 5790 Miss
HANSON E G 7150 N Mex HARMAN SARAH I 530 Ariz HARRIS R F 11600 Wis
HANSON J B 3250 III HARMAN W L 10000 Tex HARRIS R I 10310 Tex
HANSON J B 3250 III HARMON B G 3260 III HARRIS R M 360 Ariz
HANSON J F 5070 Mass HARMON L G 5310 Mich HARRIS R M 360 Ariz
HANSON K R 1720 Conn HARMON SA 2650 Ga HARRIS R R 70 Ala
HANSON K R 1720 Conn HARMON S A 2650 Ga HARRIS R R 70 Ala
HANSON L D 5640 Minn HARMON J E 8520 Orea HARRIS R W 1050 Calif
HANSON L E 5480 Minn HARMS E H 590 Ark HARRIS R W 1050 Calif
HANSON L E 5480 Minn HARMS IRENE E 8876 Pa HARRIS R W 1050 Calif
HANSON M C 11660 W W S HARMS R H 2190 F Ia HARRIS R W 1050 Calif
HANSON R P 11580 W HARMS HARME EVELYN 5560 Minn HARRIS R W 1360 Calif
HANSON R P 11580 W HARME HARDLD L L 7980 Ohio HARRIS W 1366 Calif
HANSON R V 1450 Colo HAROLD R 5365 Mich HARRIS W K 5170 Mass
HANSON R W 1450 Colo HAROLD R 0 3770 Iowa HARRIS W L 4880 Md

HARRIS W # 420 AL
HARRIS W # 420 Ma
HARRIS W # 4

### HERERT-HERSHBERGER

HEBERT T T 7510 N C HECHLER HELEN C 3370 III HECK M C 570 Ark HECKEL M C 10930 Va HECKER R J 1380 Colo HEDDEN FH 9360 SC HEDGES R M 10070 Tex HEDGES T R 960 Calif HEDLUND G W 7250 N Y
HEDRICK D W 8470 Oreg
HEDRICK D W 8560 Oreg HEDRICK H B 5940 Mo HEDRICK T I 5310 Mich HEDRICK W W 1400 Colo HEENEY M W 1487 Colo HEER J F 3770 Iowa HEERMANN D F 1460 Colo HEERMANN R M 6 CSRS HEESCH H W 11470 W Va HEFLIN H B 11380 W Va HEFNER J J 10300 Tex HEFT F E 7900 Ohio HEGGEN J W 8540 Oreg HEGWOOD D A 4510 La HEHNER 6350 Mont HEIDLAGE W F 6020 Mo HEIFNER R G 5250 Mich HEIKES P E 1487 Colo HEIKKENEN H J 11375 Wash HEIL D M 7860 N Dak HEIL R D 1380 Colo HEIL R D 1487 Colo HEILMAN M D 10295 Tex HEILMAN M D 10295 Tex HEINEMAN DORIS F Mrs 1030 Calif HEINEMANN H G 6000 Mo HEINEMANN H G 6000 Mo HENDERSON P A 6480 Nebr HENDERSON P J 4550 La HENDERSON R C 1940 Del HENDERSON R C 1940 Del HEINEMANN W W 11200 Wash HEINER R E 5470 Minn HEINZ DUANE 955 Calif HEINZE C D 3560 Ind HEINZE DH 6680 Nev HEINZELMAN W E 10990 Va HEISHMAN J O 11550 W Va HEISLER C R 6625 Nev HEIST C E 8908 Pa HEIT C E 7332 N Y HEITLAND F J 9620 S Dak HEITMAN HUBBERT 910 Calif HEIZER E E 11560 Wis HEIZER E E 11610 Wis HEIZER H K 7900 Ohio HEIZER H K 8070 Ohio HEIZER H K 8070 Ohio HELBACKA N V 4930 Md HELDMAN D R 5270 Mich HELFER D H 8700 Oreg HELFINSTINE R D 9570 S Dak HELFINSTINE REX 9570 S Dak HELGESON J P 11770 Wis HELLER J H 4230 Ky HELLICKSON MYLO 11450 W Va HELLWIG R E 2630 Ga HELM J L 6030 Mo HELM W T 10600 Utah HELMBERGER J D 5520 Minn HELMBERGER P G 11620 Wis HELMBOLDT C F 1580 Conn HELMBOLDT MARIE G Mrs 1650 HELMER J D 5700 Miss HELMS J A 875 Calif

HELWIGJH 8040 Ohio HELWIG J H 8225 Ohio HELWIG L L 9640 S Dak HEMBRE I O 11800 Wis HEMBRY F G 9900 Tenn HEMKEN R W 4840 Md HEMPHEL LILIAN L Mrs 280 Alaska HEMSTROM M L 3070 Idaho HENDEE JR 5365 Mich HENDERLONG PR 11390 W Va HENDERSHOTT R H 11390 W Va HENDERSHOTT C H Jr 2140 Fla HENDERSHOTT R D 500 Ariz HENDERSON A F 10310 Tex HENDERSON B W Jr 9150 R I HENDERSON C R 7250 N Y HENDERSON CROSWELL 1490 Colo HENDERSON D C 7140 N Mex HENDERSON D C 10795 Vt HENDERSON D L 1460 Colo HENDERSON D W 1155 Calif HENDERSON G E 2420 Ga
HENDERSON G R 10390 Utah
HENDERSON H A 9930 Tenn HENDERSON H B 2360 Ga HENDERSON H E 5200 Mich HENDERSON H K 3260 III HENDERSON H E 5200 MILON HENDERSON H K 3260 III HERMS W M 1173 Calit HERNDERSON J A 11340 Wash HENDERSON J B 30 Ala HENDERSON J J 3280 III HENDERSON J R 2020 Fla HENDERSON K E 320 Ariz HENDERSON K E 320 Ariz HENDERSON LAVERN V 8850 Pa HENDERSON M T 4350 La PROMETE HENDERSON M T 4350 La PROMETE HERNANDEZ HERBERTO BATIZ P R HERNANDEZ-MEDÎNA ERNESTO HENDERSON R G 10970 Va HENDERSON R W 8540 Oreg HENDERSON S M 980 Calif HENDERSON W R 7500 N C HENDERSON WILSON 3560 Ind HENDREN REBAK 9830 Tenn HENDRICK J G 120 Ala HENDRICKS D G 120 Ala
HENDRICKS D E 10310 Tex
HENDRICKS D M 370 Ariz
HENDRICKS DAVID 10464 Utah
HENDRICKSON A H 1100 Calif
HENDRICKSON NOREJANE J Mrs HENDRICKSON RUDOLPH 2240 Fla
HENDRIKSON C K 3560 Ind
HENDRIX A T 2420 Ga
HENDRIX A T 2540 Ga
HENDRIX BEFNEITA 7180 N Mex
HENDRIX F F 2530 Ga
HENDRIX J A 4580 La
HENDRIX J E 7830 Chic 8010 Ohio HENDRIX JE 7930 Ohio HENDRIX J W 4260 Ky HENDRIX J W 11320 Wash HENLEIN GF W 1810 Del HENNEMAN H A 5200 Mich HENNINGSON R W 9330 S C HENRICKS DM 3640 Iowa HENRICKS ON R L 8270 Okla HENRY D D 3240 III HENRY J E 7980 Okio HENRY J E 8150 Okio HENRY S E 690 Ark HENRY W F 6750 N H HENRY W R 7410 N C

HENSEL DR 2250 Fla

HENSEL J W 7970 Ohio HENSEL J W 7975 Ohio HENSHAW D A 5430 Mich HENSLEY ELIZABETH S Mrs 6050 HENSLEY S D 4435 La HENSON HELEN T 6050 Mo HENSON LAWRENCE 4260 Ky HENSON W H 4190 Ky HENTGES J F Jr 2030 Fla HEPLER P R 4770 Me HEPNER L W 5860 Miss HEPP R E 5250 Mich HEPWORTH H M 1410 Colo HERBEL C H 7100 N Mex HERBERT F W 1120 Calif HERBERT J H Jr 2200 Fla HERBST E J 6730 N H HERBST J H 3280 Ill HERBST J H 3390 III HERBST L J 7550 N C HEREFORD S W III 250 Ala HERIN R A 1390 Colo HERITAGE W H 7050 N J HERKE W H 4490 La HERMAN D L 9640 S Dak HERMAN F R 8725 Oreg HERMAN J C 3770 Iowa HERMANCE MARIAN E 8010 Ohio HERMANN R K 8590 Oreg HERNANDEZ-GAYA SAUL 8960 PR HERNANDEZ HERIBERTO BATIZ 9025 8960 PR HERNANDEZ-MORA JUSTO 8985 PR HERNANDEZ-PENZOL VICTOR 8960 PR HERNANDEZ-VIZCARRONDO IVAN 9025 PR HERNDON L P 6630 Nev HERNDON MARY SUE 8380 Okla HERNDON T G 2130 Fla HEROLD ALAN 11940 Wyo HEROLD R D 9590 S Dak HERPICH R L 3940 Kom HERR DE 7900 Ohio HERR DE 8070 Ohio HERR JOAN E Mrs 8010 Ohio HERR L J 7930 Ohio HERR L J 8100 Ohio HERRELL C D 7200 N Mex HERRICK A M 2340 Ga HERRICK A M 2480 Ga HERRICK ELLIE L Mrs 9370 S C HERRICK ELLIE L Mrs 9410 S C HERRICK J B 3640 Iowa HERRICK J B 3820 Iowa HERRICK ORPHA Mrs 2990 Haw HERRIED E O 3330 III HERRIN ANN E Mrs 7490 N C HERRING H G 11290 Wash HERRINGTON B L 7250 N Y HERRINGTON L P 7354 NY HERRLING E H 11770 Wis HERRMANN R O 8780 Pa

HELRICH KENNETH 6910 N J HELTEMES C J 7770 N Dak HELTON A W 3190 Idaho

HELTON ELIZABETH 4240 Ky

HERTEL J P 7270 N Y HILGEMAN R H S40 Ariz HINTON MARJORIE Mrs 160 Ala HERTEL K L 9860 Tenn HILL ALBERTA D 3750 Iowa HINTON MAXINE A Mrs 3750 Iowa HINTON R A 3280 III HERTEN F L 8150 Ohio HILL C H 7520 N C HINTON S A 9750 Tenn HERWEY D F 1370 Colo HILL C H 110920 Va HINTON T W 9724 Tenn HERVEY D F 1370 Colo HILL C H 11020 Va HINTON T W 9724 Tenn HERVEY J L 5250 Mich HILL C W 4330 Ky HINTZ ADA M Mrs 9610 S Dak HERVEY J L 5250 Mich HILL C W 4330 Ky HINTZ H F 3500 Ind

HEWITT OH 7250 NY
HEWITT THE 1090 Calit
HEWLETT JD 280 Ga
HEWELETT JD 280 Ga
HEWLETT HELMAT MYS 10930 Va
HEYF HELENE 9010 Chio
HEWLET HELMAT MYS 10930 Va
HEYF HELENE 9010 Chio
HEWA 2900 Haw
HELLEN JD 2000 Fla
HILL R J 250 Ga
HILL R J 250

### HODGSON-HORTON

## HOLESON H 1 6029 M9

HODISON H 1 6029 M9

HOLLAND IF 3810 M66

HOLLAND IF 7800 N M66

HOLLEN IF 7800 N M66

HOLLEN

HORTON M L 9510 S Dak HOWES C L 8820 Pa HUGHES J L 6410 Nebron C HORTON O H 570 Ark HOWES J R 190 Ala HUGHES J M 5570 Minn HORVATH D J 11400 W Va HOWES M L 5100 Mass HUGHES J P 1177 Calif HOSENEY R C 3980 Kans HOWITT A J 5239 Mich HUGHES M B 9480 S C HOSFORD R M J r 2250 Fla HOWLAND A F 1270 Calif HUGHES R B 1430 Colo HOSFORD R M 360 Ariz HOWLETT F S 8020 Ohio HUGHES R L 2620 Ga HOSKINSON P E 9730 Tenn HOXLETT F S 8180 Ohio HUGHES R L 11560 Wis HOSKINSON P E 9730 Tenn HOXSIE C E 3540 Ind HUGHES R L 11660 Wis HOSKEYN J P 620 Ark HOYER J H 4810 Md HUGHES R L 11760 Wis HOSKEYN W 3406 Ill HOYLE B J 1130 Calif HUGHES R W 3560 Ind

| HONTON O. H. 500 Aix | HOWES J. F. 1900 Aix

## HUNTER-JANES

J

HUNTER NAOM! P Mrs 4599 La
HUNTER R 5 2430 Ga
HUNTER R 5 2430 Ga
HUNTER R 6 2430 Ga
HUNTER R 7 244 Tean
HUNTING W M 5900 Mmss
HUNTER R 7 274 Tean
HUNTING W M 5900 Mmss
HUNTER W G 20 Ala
HUNTER JAMES REUBEN 11570 Wis JAMES S.C. 3690 Iowa JAMES T.K. 1500 Colo JAMES W H 4480 La

JANES H L 5280 Mich
JANKE E W 5530 Neb
JANKE E W 55

### JOHNSON-JUDGE

JOHNSON P.R. 7410 N.C.
JOHNSON PR 7410 N C
JOHNSON PR 10300 Tex
JOHNSON P S 5456 Mich
JOHNSON P.R. 10300 Tex JOHNSON P.S. 5456 Mich
JOHNSON R B 2240 Fla JOHNSON R B 4960 Md JOHNSON R C 3780 Iowa JOHNSON R C 6480 Nebr JOHNSON R E 900 Calif JOHNSON R E 1590 Conn JOHNSON R E 3250 III
JOHNSON R B 4960 Md
JOHNSON R C 3780 Iowa
TOHNSON R.D. 6480, Nobe
JOHNSON R. D. 6480 Nebr
JOHNSON R E 900 Calif
JOHNSON R E 1590 Conn
IOHNSON R F 3250 III
TOUNDON D. D. CEOO. M.
JOHNSON R E 6590 Nebr
JOHNSON R G 11620 Wis
JOHNSON R E 3250 III JOHNSON R E 3250 III JOHNSON R E 6590 Nebr JOHNSON R G 11620 Wis JOHNSON R H 590 Ark JOHNSON R J 11200 Wash JOHNSON R L 5880 Miss JOHNSON R L 3970 Kans
JOHNSON R J 11200 Wash
JOHNSON IN J 11200 WUSH
JOHNSON R L 5880 Miss JOHNSON R L 3970 Kans JOHNSON R M 8020 Ohio JOHNSON R M 1390 Colo
JOHNSON R L 3970 Kans
JOHNSON R M 8020 Ohio
IOUNGON P.14 1000 C.1
JOHNSON R M 1390 C010
JOHNSON R M Jr 7910 Ohio JOHNSON R M Jr 8010 Ohio JOHNSON R M Jr 8170 Ohio
JOHNSON R M Jr 8010 Ohio
TOUNSON D.M. In. 9170 Object
JOHNSON IN M JE SE 70 OHIO
JOHNSON R R 7910 Ohio
JOHNSON R R 8080 Ohio
JOHNSON R V 3270 III
TOTAL CONTROL OF THE STATE OF T
JOHNSON ROBERTA Mrs 10110 Tex
JOHNSON RUTH ANN 8620 Oreg
JOHNSON S D 7280 N Y
JOHNSON S S 960 Calif JOHNSON S R 1600 Conn
JOHNSON S R 1600 Conn JOHNSON STEWART 1600 Conn JOHNSON T J 7930 Ohio JOHNSON T W A 4628 La
JOHNSON STEWART 1600 Conn
IOHNSON T I 7020 Ohio
JOHNSON T. J. 7930 OMO
JOHNSON TWA 4628 La
JOHNSON THETA 10490 Utah
JOHNSON V A 6410 Nebr
JOHNSON V A 6410 Nebr JOHNSON V K 7690 N Dak
JOHNSON V K /690 N Dak
JOHNSON V K 7690 N Dak JOHNSON V W 5456 Mich JOHNSTON VIVIAN 7935 Ohio
JOHNSTON VIVIAN 7935 Ohio
JOHNSTON VIVIAN 7935 Ohio JOHNSON W A 170 Ala
TOTALOGN II A 170 AIG
JOHNSON W A 4520 La JOHNSON W B 7000 N J
JOHNSON W B 7000 N J
JOHNSON W.C. 9722 Tenn
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IOHNSON W.C. 1020E Tax
JOHNSON W.C. 10295 Tex
JOHNSON W.C. 10.295 Tex
JOHNSON W.C. 10.295 Tex
JOHNSON W.C. 10.295 Tex
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JOHNSON W.C. 10.295 Tex
JOHNSON W C J 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa
JOHNSON W C J 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa
JOHNSON W C J 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa
JOHNSON W C J 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa
JOHNSON W C J 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa
JOHNSON W C J 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa
JOHNSON W C J 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa
JOHNSON W C JI 2995 Tex JOHNSON W C JI 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Utah JOHNSON W J 3720 Iowa JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W L 10990 Va JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo
JOHNSON W C JI 2995 Tex JOHNSON W C JI 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Utah JOHNSON W J 3720 Iowa JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W L 10990 Va JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo
JOHNSON W C JI 2995 Tex JOHNSON W C JI 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Utah JOHNSON W J 3720 Iowa JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W L 10990 Va JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Utah JOHNSON W J 3720 lowa JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W M 250 Ala JOHNSON W M 11910 Wyo JOHNSON W M 1210 Wyo JOHNSON W S 3560 Ind JOHNSON W S 3660 Ind
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Utah JOHNSON W J 3720 lowa JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W M 250 Ala JOHNSON W M 11910 Wyo JOHNSON W M 1210 Wyo JOHNSON W S 3560 Ind JOHNSON W S 3660 Ind
JOHNSON W C JI 2995 Tex  JOHNSON W C JI 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 8150 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa  JOHNSON W J 5453a Mich  JOHNSON W L 2280 Fla  JOHNSON W L 10990 Va  JOHNSON W M 1910 Wyo  JOHNSON W M 11910 Wyo  JOHNSON W S 3560 Ind  JOHNSON W S 3560 Ind  JOHNSON W T 7660 N C  JOHNSON W AWMAN 9370 S C  JOHNSON WAYMAN 9370 S C
JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Utah JOHNSON W J 3720 lowa JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W M 250 Ala JOHNSON W M 1910 Wyo JOHNSON W M 11910 Wyo JOHNSON W M 11910 Wyo JOHNSON W S 3560 Ind JOHNSON W T 7660 N C JOHNSON W T 7660 N C
JOHNSON W C JO295 Tex  JOHNSON W C Jr 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 3720 Iowa  JOHNSON W J 5453a Mich  JOHNSON W L 2280 Fla  JOHNSON W L 10990 Va  JOHNSON W L 10990 Va  JOHNSON W M 11910 Wyo  JOHNSON W M 250 Fla  JOHNSON W M 250 Fla  JOHNSON W O 2250 Fla  JOHNSON W O 3560 Ind  JOHNSON W T 7660 N C  JOHNSON W T 7660 N C  JOHNSON W L 460 Ariz  JOHNSON W L 460 Ariz  JOHNSON W ILMA L 460 Ariz  JOHNSON W JOHNSON G G
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W M 250 Ala JOHNSON W M 11910 Wyo JOHNSON W M 11910 Wyo JOHNSON W S 3560 Ind JOHNSON W T 7660 N C JOHNSON W T 7660 N C JOHNSON W J MAIN 9370 S C JOHNSON W J MAIN 9370 G G JOHNSON W M S S TO Ark
JOHNSON W C JO295 Tex  JOHNSON W C Jr 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 5453a Mich  JOHNSON W J 2280 Fla  JOHNSON W L 2280 Fla  JOHNSON W L 10990 Va  JOHNSON W M 1910 Wyo  JOHNSON W M 1910 Wyo  JOHNSON W S 3560 Ind  JOHNSON W S 3560 Ind  JOHNSON W T 7660 N C  JOHNSON W T 7660 N C  JOHNSON W MYMAN 9370 S C  JOHNSON W J MAN 9370 S C  JOHNSON W J MAN 9370 S C  JOHNSON W MYMELLE 2500 Ga  JOHNSON W T EBTA 9570 Ark
JOHNSON W C JU295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W J 5453a Mich  JOHNSON W J 5453a Mich  JOHNSON W L 2280 Fla  JOHNSON W L 10990 Va  JOHNSON W L 10990 Va  JOHNSON W M 1910 Wyo  JOHNSON W M 250 Ala  JOHNSON W M 1910 Wyo  JOHNSON W S 3560 Ind  JOHNSON W S 3560 Ind  JOHNSON W T 7660 N C  JOHNSON W T 7660 N C  JOHNSON W MAYMAN 9370 S C  JOHNSON W J MAYMAN 9370 S C  JOHNSON W S 3560 Ga  JOHNSON ALBERTA 8620 Oreg  JOHNSTON ALBERTA 8620 Oreg
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W M 250 Ala JOHNSON W M 11910 Wyo JOHNSON W M 11910 Wyo JOHNSON W S 3560 Ind JOHNSON W T 7660 N C JOHNSON W T 7660 N C JOHNSON W J MAIN 9370 S C JOHNSON W J MAIN 9370 G G JOHNSON W M S S TO Ark
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W J 3720 lowa JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 250 Ala JOHNSON W M 11910 Wyo JOHNSON W M 11910 Wyo JOHNSON W S 3560 Ind JOHNSON W S 3560 Ind JOHNSON W T 7660 N C JOHNSON W T 7660 N C JOHNSON W M 1460 Ariz JOHNSON M M 1460 Ariz JOHNSON ALBERTA 8620 Oreg JOHNSTON ALBERTA 8620 Oreg JOHNSTON ALEXANDER 11870 Wyo JOHNSTON ALEVIRDA Mrs 5790 Miss
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7980 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W M 250 Ala JOHNSON W M 1910 Wyo JOHNSON W M 11910 Wyo JOHNSON W M 11910 Wyo JOHNSON W T 7660 N C JOHNSON W T 7660 N C JOHNSON W T 7660 N C JOHNSON W M 1940 N T 7660 N C JOHNSON W M 1940 N T 7660 N C JOHNSON W M 1940 N T 7660 N C JOHNSON W M 1940 N T 7660 N C JOHNSON W T 7660 N T T T T T T T T T T T T T T T T T T
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7980 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W L 10990 Va JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo JOHNSON W M 7660 N C JOHNSON W T 7660 N C JOHNSON W T 7660 N C JOHNSON W M 7860 G G JOHNSON W M 1040 Ariz JOHNSON W M M 1050 G G JOHNSON W M ALBERTA 8620 Oreg JOHNSTON ALEXANDER 11870 Wyo JOHNSTON ALEXANDER 11870 Wyo JOHNSTON ALEXANDER 11870 Wyo JOHNSTON D E 8050 Ohio
JOHNSON W C JU 295 Tex  JOHNSON W C Jr 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7430 N C  JOHNSON W H 8150 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W J 5453a Mich  JOHNSON W J 5453a Mich  JOHNSON W L 2280 Fla  JOHNSON W L 10990 Va  JOHNSON W M 250 Ala  JOHNSON W M 11910 Wyo  JOHNSON W M 11910 Wyo  JOHNSON W M 11910 Wyo  JOHNSON W M 3560 Ind  JOHNSON W T 7660 N C  JOHNSON W T 7660 N C  JOHNSON W T 7660 N C  JOHNSON W M 1460 Ariz  JOHNSON W M 150 Ala  JOHNSON W M 150 N C  JOHNSON ALEXANDER 11870 Wyo  JOHNSTON ALEXANDER 11870 Myo  JOHNSTON ALEXANDER 11870 Myo  JOHNSTON D E 8230 Ohio  JOHNSTON D E 8230 Ohio
JOHNSON W C JU 295 Tex  JOHNSON W C JT 30 Ala  JOHNSON W G 11400 W Va  JOHNSON W H 7430 N C  JOHNSON W H 7980 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 8150 Ohio  JOHNSON W H 10530 Utah  JOHNSON W J 5453a Mich  JOHNSON W J 5453a Mich  JOHNSON W L 2280 Fla  JOHNSON W L 10990 Va  JOHNSON W M 250 Ala  JOHNSON W M 11910 Wyo  JOHNSON W M 11910 Wyo  JOHNSON W M 11910 Wyo  JOHNSON W M 7660 N C  JOHNSON W T 7660 N C  JOHNSON W T 7660 N C  JOHNSON W M 11910 Wyo  JOHNSON W M 11910 Wyo  JOHNSON W M 11910 Wyo  JOHNSON W T 7660 N C  JOHNSON W M 11910 W M
JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7980 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W L 10990 Va JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo JOHNSON W M 3560 Ind JOHNSON W S 3560 Ind JOHNSON W S 7660 N C JOHNSON W M 3760 N C JOHNSON W M 3760 G G JOHNSON W M 1460 Ariz JOHNSON W M 1460 Ariz JOHNSON W M 1460 Ariz JOHNSON W M S 760 Oreg JOHNSON W M ALBERTA 8620 Oreg JOHNSTON ALEXANDER 11870 Wyo JOHNSTON ALEXANDER 11870 Wyo JOHNSTON ALEXANDER 11870 Wyo JOHNSTON D E 8050 Ohio JOHNSTON D E 8050 Ohio JOHNSTON D E 8230 Ohio JOHNSTON D F 4690 Me JOHNSTON E LEANOR C 9630 S Dak
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JOHNSON W C Jr 30 Ala JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7430 N C JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 10990 Va JOHNSON W M 250 Ala JOHNSON W M 11910 Wyo JOHNSON W M 11910 Wyo JOHNSON W M 3560 Ind JOHNSON W S 3560 Ind JOHNSON W T 7660 N C JOHNSON W T 7660 N C JOHNSON W S 3560 Tod JOHNSON W S 3560 Tod JOHNSON W S 3560 N C JOHNSON W S 3560 N S 360 Ohio JOHNSTON ALE XANDER 11870 Wyo JOHNSTON D E 8050 Ohio JOHNSTON D E 8050 Ohio JOHNSTON D E 8050 Ohio JOHNSTON D R 5470 Minn JOHNSTON D R 5470 Minn JOHNSTON E E 4890 Me JOHNSTON E E 4890 Me JOHNSTON D F 8470 MINN JOHNSTON D F 8470 N Y JOHNSTON D F 8470 N Y
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JOHNSON W C Jr 30 Ala JOHNSON W G 11400 W Va JOHNSON W H 7430 N C JOHNSON W H 7430 N C JOHNSON W H 7850 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 8150 Ohio JOHNSON W H 10530 Utah JOHNSON W J 5453a Mich JOHNSON W J 5453a Mich JOHNSON W L 2280 Fla JOHNSON W L 10990 Va JOHNSON W L 19990 Va JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo JOHNSON W M 1910 Wyo JOHNSON W M 7660 N C JOHNSON W T 7660 N C JOHNSTON ALEXANDER 11870 Wyo JOHNSTON ALEXANDER 11870 Wyo JOHNSTON D E 8050 Ohio JOHNSTON E F 4690 Me JOHNSTON E F 4690 Me JOHNSTON FRANCES A 7260 N Y JOHNSTON FRANCES A 7260 N Y JOHNSTON D F 4390 La JOHNSTON KATHLEEN A 3530 Ind
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JOHNSTON TH 690 Ark JONES M B 900 Calif
JOHNSTON VIVIAN L 8000 Ohio JONES M E 9790 Tenn
JOHNSTON VIVIAN L 8010 Ohio
JOHNSTON VIVIAN L 8010 Ohio
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JOHNSTON TH 690 Ark
JOHNSTON VIVIAN L 8000 Ohio
JOHNSTON VIVIAN L 8010 Ohio
JOHNSTONE P B 10670 Vt
JOHNSTONE F B 172510 Ga
JOHNSTONE F B 7800 Pa
JOHNSTONE W F 8780 Pa
JOHNSTONE W H 6190 Mont
JOINER J N 2160 Fla
JOINER J N 2160 Fla
JOINER J N 2160 Fla
JOINER J N 3250 Ga
JONES MARTHA H Mrs 2450 Ga
JONES AB 111310 Wash
JONES AB 5840 Miss
JONES A F 11130 Wash
JONES ALFRED 2650 Ga
JONES ALFRED 2650 Ga
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JONES BERTHA M 137 Ala
JONES C A 1650 Cenn
JONES C A 1650 Cenn
JONES C A 1650 Cenn
JONES C M 9280 S C
JONES C M 7420 N C
JONES C M 5200 Nebr
JONES D L 10295 Tex
JONES D M 2020 Fla
JONES D N 2020 Fla
JONES D N 2020 Fla
JONES D N 2020 Fla
JONES E M 7470 N C
JONES FANKCES W Mrs 650 Ark
JONES G C 2000 Fla
JONES FARNCES W Mrs 650 Ark
JONES G C 2000 Fla
JONES G C 2000 Fla
JONES G C 2000 Fla
JONES G L 7400 N C
JONES FARNCES W Mrs 650 Ark
JONES G L 7400 N C
JONES G L 7400 
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JONES MARIELLEN 3970 Kans
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JONES N B 10460 Utah
JONES FRANCES W Mrs 650 Ark

JONES G C 2000 Fla

JONES G C 2000 Fla

JONES G D 11010 Va

JONES G B 3510 Ind

JONES G L 7400 N C

JONES G L 7400 N C

JONES G L 7400 N C

JONES H B 2390 Ga

JONES H D 7230 N Mex

JONES H D 7230 N Mex

JONES H B 3430 Ind

JONES H B 3430 Ind

JONES H B 3430 Ind

JONES J B 7460 N C

JONES J B Jr 7900 Ohio

JONES J B Jr 8070 Ohio

JONES J B Jr 8070 Ohio

JONES J C 4890 Md

JONES J C 4890 Md

JONES J C 4890 Md

JONES J C 4770 N C

JONES J B 4350 La

JONES J B 1 1280 Wash

JONES J B 1 1280 Wash

JONES J L 9730 Tenn

JONES J L 9730 Tenn

JONES J P 2240 Fla

JONES J P 2240 Fla

JONES J P 2240 Fla

JONES J R 3380 N C

JONES J R 380 N C
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JUNIONE 9 A 5800 JUNIONE 10 SECTION 10 SECTI

JUDKINS W P 10960 Va KARE M R 7520 N C KEFFORD N P 3040 Hawaii
JUDSON C L 990 Calif KARLANDER E P 4830 Md KEHLENBRINK ELLA Mrs 10140
JUDY J K 7910 Ohio KARNS R 7340 NY Tex
JUDY J K 7910 Ohio KARNS R 7340 NY Tex
JUDY J W Jr 3560 Ind KARR H H 5410 Mich KEHR W R 6410 Nebr
JUDY J W Jr 3560 Ind KARR H H 8705 Oreg KEHRBERG E W 3460 Ind
JUDY W H 10930 Va KARTCHNER EUGENE 10580 Utah KEIM W F 3420 Ind
JUERGENSON E M 970 Calif KASHNER JOSEPH 5430 Mich KEIRSTEAD L G 1710 Conn
JUGENHEIMER R W 3250 Ill KASIMATIS A N 1173 Calif KEISER J R 8890 Pa
JULIAN G R 6220 Mont KASMIRE R F 1173 Calif KEISER T D 4490 La
JULIAN L M 1177 Calif KASPERBAUER M J 4140 Ky KEITH H E 6020 Mo
JULIUS M G 3690 Iowa KASPERSEN L J 440 Ariz KEITH L B 11820 Wis
JUSON E E 1440 Colo KASSANDER A R 530 Ariz KEITH MOLLY 8380 Okla
JUNG G A 11390 W Va KASSON C W 6590 Nebr KELKER G H 10600 Utah
JUNGERMAN P F 10230 Tex KASSON P R 7810 N Dak KELLER E D 1650 Conn
JUNGK R A 3800 Iowa KASTELIC JOSEPH 3260 Ill
KASTELIC JOSEPH 3260 Ill
KASTELIC JOSEPH 3260 Ill
KASTELIC JOSEPH 3260 Ill
KELLER D 1650 Conn
KASTELIC JOSEPH 3260 Ill
KELLER D 1650 Conn
KELLER L H 9724 Tenn
KASTELIC JOSEPH 3260 Ill
KELLER L H 9724 Tenn
KELLER W F 5430 Mich
KATTERMAN F R H 480 Md
KELLER W F 5430 Mich

## KENNEDY-KITCHELL

KENNEDY S W 540 Mino
KENNEDY D W 280 GE
KENNEDY D P 280 GE
KENNEDY R C 685 N H
KENNEDY R G 685 N H
KENNEDY R M 7000 Tex
KENNEDY R M 7300 N C
KENNEDY

KITCHEN J E 3970 Kans
KITCHEN J E 3970 Kans
KITCHEN J E 3970 Kans
KITCHEN J T 9220 R1
KITE A D 10910 V W
KITCH A SCOON MAN
KITCH B SCOON M KLINE D M 7510 N C
KLINE DCROTHY B Mrs 7332 N Y
KLINE A 3640 Iowa
KLINE G 10880 Va
KNOX K L 1400 Colo
KNOX K L 1400 Colo
KNOX K L 1400 Colo
KNOX SARAH S Mrs 9370 S C
KNUDSEN DELNO 6410 Nebr
KLINEGER BRUNO 1410 Colo
KNUDSEN O S 3700 Iowa
KLINEGER BRUNO 1410 Wis
KNUDSEN O S 3700 Iowa
KLINEGER BRUNO 1410 Wis
KNUDSEN O S 3700 Iowa
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KLINEGER BRUNO 1410 Colo
KNUDSEN O S 3700 Iowa
KLINEGER BRUNO 1410 Colo
KNUDSEN O S 3700 Iowa
KNUTH R A 3700 Iowa
KNUTH

## KOWALCZUK-LAKE

Lalonder T 7337 NY Langine J 9510 S Dak Lassahn Pamela H Mrs 3770 Iowa Lams L 3540 Ind Langley archie 2390 Ga Lassey w R 6230 Mont Langley B C 10300 Tex Lassiter C A 5240 Mich Langley B C 10300 Tex Lassiter C A 5240 Mich Langley Lorna 7450 N C Lassiter J W 2360 Ga Lamber C 10430 Utah Langley Lorna 7450 N C Lassiter F R 7550 N C Lamber C 3670 Iowa Langley B C 1070 Ky Lassiter R R 7550 N C Lamber C 3670 Iowa Langley B C 1070 Ky Lassiter R R 7550 N C Lamber C 3670 Iowa Langsopale ELizabeth H 4900 Latham D H 9722 Tenn Lamber C 2670 Corp. Langsopale ELizabeth H 4900 Latham D H 9722 Tenn Latham D L 7352 N Y Langsopale ELizabeth Langsopale ELizabeth Latham D L 7352 N Y Latham D Langsopale Langsopale ELizabeth Langsopale ELizabeth Latham D L 7352 N Y Latham D L 7350 N Y Langsopale ELizabeth Langsopale ELizabeth Langsopale ELizabeth Latham D L 7352 N Y Latham D L 7350 N Y Langsopale ELizabeth Langsopale ELiz

LAMB R C 7930 NY

LAMBER R C 3673 Love

LAMBERT J G 1000 Vg

LAMBERT J H 1070 Corn

LAMBER

LEATHERWOOD-LIEUALLEN

LEATHERWOOD\_LIEUALLEN

LEATHTERWOOD\_LIEUALLEN

LEATHTE

LIGGETT ESTHER Mrs 11300 Wash LITCHFIELD CARTER 10050 Tex LOFTEN W T 2080 Fla LOFTIN M T 5840 Miss LOFTIN T H 5830 Miss LOFTIN T H 5830 Miss Miss LOFTIN T H 5830 Miss LOFTIN T H

LINTON D A Jr 90 Ala LODDE ROSEMARY L 3530 Ind LOPEZ dePEREZ SYLVIA Mrs 9037

LINTON R E 7250 N Y LODGE J R 3270 III P R

LINVILLE R A 7900 Ohio LOEB W F 8040 Ohio LOEPZ-GARCIA JUSTO 9110 P R

LINVILLE R A 7900 Ohio LOEPEL F A 4140 Ky LOPEZ-MOTOS LIDY 9110 P R

LIPPER R I 3940 Km LOERCH J D 8900 Pa LOPEZ-MOTOS LIDY 9110 P R

LIPPER R I 330 Calif LOERCH K A 6550 Nebr LOPEZ-MOTOS J H 9040 P R

LIPPCDD P C 7300 N Y LOESCH P J 6030 Mo LOESCH P J 6030 Mo LOESCH P J 6030 Mo LOEWENSTEIN D E 6530 Nebr LORBEER J W 7250 N Y

LIPSCOMB R W 2240 Fla LOEWENSTEIN F D E 6530 Nebr LORD W B 11620 Wis LORB W J 5120 Mass

LISTER R M 3450 Ind LOFGREN J R 3550 Minn LORD W J 5150 Mass

LISTER R M 3450 Ind LOFGREN J R 3550 Minn LORENO J ANE Mrs 160 Ala

LIGGETT ESTHER Ms 11300 Wosh
LIGHTTOOT MS 7800 M Dak
LIGHTTOOT MC 8570 Ges
LIGHTOOT MC 8570 Ges
LILLEAND LIGHTOOT MC 8570 Ges
LILLE LILLE MG 8570 MG
LINCK AJ 5860 Mm
LINCK AJ 5860

# LORENZ - MACK ENSEN

LORENZEN COBY Jr. 980 Calif

LORENZEN R T 7250 N Y

LORTON R E 1660 Conn

LORZ A P 2220 Fla

LOTAN J E 6370 Mont

LOTAN J E 6370 Mont

LOTSPEICH F B 10295 Tex

LOTT I SJ 3520 Ind

LOUKLANN W R 10880 Va

LUCKHAMW R 10880 Va

LUCKHAWW R 10890 Va

LUCKHAWW R 10880 Va

LYNCH PRI PWWAN CLAPETER W

LYNCH FLEY J WAN PELLY J N A VAN PELLY J N A VAN PELL LOVVORN R L 7360 N C

LOW D G 5650 Minn

LOW FLORENCE W Mrs 10100 Tex

LOW J B 10600 Utah

LOW P F 3420 Ind

LOW E C 7250 N Y

LOW E A 2385 Ga

LOWE J F 7380 N Y

LOW J B 16306 Moss

LOW L C 7250 N Y

L C 7 LOW J B 10600 Utah

LOW P F 3420 Ind

LOW P F 3420 Ind

LOW P S 3420 Ind

LOW P S 2895 Ga

LOW E A 2895 Ga

LOW E A 2895 Ga

LOW E J 2895 Ga

LOW E J 2895 Ga

LOW E J 6396 Hont

LOW E J 7335 N Y

LOW E J 7335 N

LORENZ F W 915 Calif LUCEY D I 3690 lowa LUTZ J A 11170 Va LORENZ O A 1130 Calif LUCEY R F 7250 N Y LUTZ J F 7540 N C LORENZ R W 3340 III LUCHOK JOHN 11435 W Va LUTZ RUTH N 6050 Mo LORENZEN COBY Jr 980 Calif LUCHOK JOHN 11380 W Va LYDA S D 6670 Nev LORENZEN R T 7250 N Y LUCHSINGER D W 5650 Minn LYERLY P J 10300 Tex LOREND R E 1660 Conn LUCHSINGER ELAINE Mrs 9630 LYFORD S J 5170 Mass S Dak LYKKEN LOUIS 800 Cal

MACKEY ANDREA 8020 One
MACKEY DESCRIPTION
MACKEY PLESSO Mine
MACKEY PL

MARCHALL MAY

MARCHALL LAY

MA

McALLISTER W T 1830 Del
McALPIN NEAL 9960 Tenn
McALPIN NEAL 9960 Tenn
McALPIN NEAL 9960 Tenn
McARDLEF J 8860 Pa
McARTHUR ARTHUR 6050 Mo
McARTHUR ARTHUR 6050 Mo
McARTHUR ARTHUR 6050 Mo
McARTHUR N H 6100 Mo
McARTHUR N H 6100 Mo
McARTHUR N H 6210 Mo
McART McCANNON NELLIE R 11690 Wis McCANNON NELLIE R 11740 Wis McCANTS C B 7540 N C
McCARTER M W Jr 9480 S C
McCARTER M W Jr 9480 S C
McCARTHY HELEN 6260 Mont McCARTHY R D 8770 Pa McCARTNEY M G 2550 Ga McCARTY C D I345 Calif McCARTY D J 7250 N Y McCARTY I E 9810 Tenn

McCONE W C 9520 S Dak
MC CONKIE G W 7250 N Y
McCONNELL PEGGY A 5170 Mass
McCONNELL T J 2385 Ga
McCONNEL T J 6230 Mont
McCOOL D K 8340 Obla McCOOL D K 8340 Okla McCOY J H 3920 Kan
McCOY MARY H 10930 Va McCOY V L 10910 Va McCRACKEN ELIZABETH U 3890 Kan McCRACKEN MARY L 9310 SC McCRACKEN MARY L 9310 S C
McCRAINE S E 4360 La
McCREARY EVA J 1880 Del
McCREARY T W 370 Ariz

McGAUGH VELMA : 3970 Kans McCREARY T W 370 Ariz McCREERY W F I20 AIa 
 McCARTY C D J
 1345 Jay
 Calif
 McCREARY T W
 370 Ariz
 McGAUGH VELMA IA 3970 McGRERY W F IZO Ala
 McGAERY D J 7250 N Y
 McGRERY W F IZO Ala
 McGEE W H 5720 Miss
 McGEE W H 5720 Miss

 McCARTY D W 9520 S Dak McCARTY R M 6410 Nebr
 McCRERRY R A 2350 Ga
 McGHEE G C 9910 Tenn
 McGHEE G C 9910 Tenn
 McGHEE G C 11440 W Va

 McCARTY R T 10310 Tex McCRORY E R 4460 La
 McGRERY R A 2350 Ga
 McGIBBON W H 11780 Wis
 McGIBBON W H 11780 Wis

 McCARTY R T 0 8620 McCARVER O W 6290 McCARV

MAYER D T 5950 Mo

MAYER L V 3690 Iowa
MAYER LAVONNE A Mrs
S Dak

MAYER MARJORIE 1420 Colo
MAYES MCKINLEY 4591 La
MAYES H F 6000 Mo
MAYES R L 630 Ark
MAYEID HELEN L Mrs 6270 Mont
MAYFIELD HELEN L Mrs 6270 Mont
MAYFIELD MC 137 Ala
MAYNARD D N 5150 Mass
MAYANARD D N 5150 Mass
MCLELLAND E L 3920 Kan
MCCLELLAND E L 3920 Kan 
 MAYNARD D N
 5150
 Mass
 McCLELLAND E L
 3920
 Kan
 McCURDY D R
 3406
 III

 MAYNARD L S
 440
 Ariz
 McCLELLAND G A H
 990
 Calif
 McCURDY J A
 8800
 Pa

 MAYNARD M L
 520
 Ariz
 McCLELLAND J H
 410
 Ariz
 McCURDY J A
 8800
 Pa

 MAYNARD M L
 520
 Ariz
 McCLELLAND J H
 410
 Ariz
 McCURDY J A
 8800
 Pa

 MAYNARD M L
 520
 Ariz
 McCLELLAND J H
 410
 Ariz
 McCURDY J A
 8800
 Pa

 MAYOR S C
 7530
 N C
 McCLELLAND J H
 410
 Ariz
 McCUTCHEN T C
 9925
 Tenn

 MAYBARD M L
 520
 N C
 McCLURE W
 4620
 La
 McDANIEL A T
 660
 Ark

 MAYOR D L
 3400
 Ind
 McCLURE W A
 10290
 Tex
 McDANIEL A T
 660
 Ark

 MAYS D W 4600
 La
 McCLURE W A
 10290
 Tex
 McDAN McDONALDHJ 3920 Kan McDONALDJP 1690 Conn McDONALD L E 8420 Okla McDONALD MARGARET F 7960 Ohio McDONALD R E 4510 La
McDONALD R F 4850 Md
McDONOUGH W T 10410 Utah McDOUGLE H C 6100 Mo McDOWJJ 9728 Tenn McDOWJJ 9780 Tenn McDOWELL RUTH A 9970 Tenn McFADDEN FRANCES E Mrs 7260 McFARLANE JS 900 Calif McFATER H E 4400 La McFEE A F 9900 Tenn McFEE W W 3420 Ind McFEELYHF 8760 Pa McFERRAN JOE 660 Ark

## MCGILLIARD-MELIN

McGILLIARD A D 3640 Iowa McGILLIARD L D 5240 Mich McGINITY J T 6100 Mo

McKENZIE H L 990 Calir McKENZIE M A 5070 Mass McKENZIE M C 9360 S C McKENZIE THOMAS 11750 Wis McKERLEY C O 4360 La McKEY BEULA V 3350 III McKIBBEN G E 3250 III McKIBBEN JS 6000 Mo McKIE J W 5700 Miss McKIEL C G 9130 R I McKILLOP W L M 875 Calif McKIMMY M D 8610 Oreg McKINLEY MARGABOTE McKILLOP A A 980 Calif McKINLEY MARGARET Mrs 4910 McKINLEY MARJORIE 3750 Iowa McKINNEY CATHERINE B Mrs 9970 Tenn McKINNEY DE 9730 Tenn

 
 McKINNEY FLORENCE
 8380
 Okla
 McQUILKIN R A
 6040
 Mo

 McKINNEY R D
 3920
 Kan
 McRAE T O
 4360
 La

 McKINNEY W H
 2360
 Ga
 McREYNOLDS F L
 3510
 J

 McKINNON A G
 10:90
 Utah
 McREYNOLDS K L
 3920
 J

 McKINSEY J W
 5970
 Mc
 McRITCHE J J
 5180
 Mas
 McGINNIS C H 5650 Minn McKINSEY J W 5970 Mo McKINSEY J W 5970 Mo McKINSEY J W 5970 Mo McKINSTRY MARGARET Mrs 4230 Ky McSWAIN C Z 7570 N C McGINNIS J T 2440 Ga McKINSTRY MARGARET Mrs 4230 Ky McSWAIN C Z 7570 N C McGINNIS JAMES 11200 Wash McKINSTRY MARGARET Mrs 4230 Ky McTEER MIRIAM 9970 Tenn McGINTY ANNIE J 5790 Miss McKINGHT J S 5880 Miss McYAY F E 7550 N C McGLAMERY M D 3250 III McGLAIN D D 10060 Tex McVAY F E 7550 N C McVEY D V 5610 Minn McGLAMERY M D 3250 Ga McGINNIS C H 5550 Minn
McGINNIS C H 5550 Minn
McGINNIS C H 5550 Minn
McGINNIS T 2440 Go
M McNEASE J D 10000 Lex

McNEIL D R 11560 Wis S Dak

McNEIL D R 11660 Wis S S Dak

McNEIL ETHEL C E 10 CSRS MEIMAN J R 1490 Colo

MENEIL B THEL C E 10 CSRS MEIMAN J R 1490 MINN

MENERSHAGEN F H 596

MENERSHAGEN F H 596

MENERSHAGEN F H 596 McNEIL J H 5430 Mich McNEIL R J 7250 N Y McNEIL W J 8570 Oreg McNEILL H M 7660 N C
McNEILL J J 7380 N C
Mc NEILL M J 3630 Iowa
McNEILLY G L 11000 Va MELENDEZ-GONZALEZ PL 9110

MCQUEEN R D 3380 III

MCQUEST R D 3380 III McQUIGG J D 6090 Mo

McREYNOLDS F L 3510 Ind McREYNOLDS K L 3920 Kan MEINERSHAGEN F H 5960 Mo MEINTZERRB 7740 N Dak MEINTZER R B 7740 N MEISKE J C 5480 Minn MEITES JOSEPH 5430 N MEKEEL RHODA 7250 I MEKEMSON SARA D Mrs MEITES JOSEPH 5430 Mich MEKEEL RHODA 7250 N Y MEKEM SON SARA D Mrs 3530 Ind

MELHUS I E 3670 Iowa MELIN J B 2720 Ga

MELLEN W J 5170 Mans
MELLEN W J 520 Man
MELTON A J 700 Man
MELTON B 520 Man
MELTON B 520

## MILLER-MONTELARO

MILLER J D MILLER J F	5360 Mich 2170 Fla
MILLER J H MILLER J I 7 MILLER J K MILLER J K MILLER J N MILLER J P MILLER J P	940 Calif 1250 N Y 7250 N Y 9900 Tenn 8050 Ohio 11280 Wash 11180 Wash 4810 Md 6030 Mo
MILLER JANE MILLER K E MILLER K P MILLER L B MILLER L C MILLER L C MILLER L H MILLER L I MILLER L I	TL 9210 RI PHINE 2815 Ga 5970 Ma
MILLER L R MILLER LORR MILLER LOUIS MILLER M B MILLER M D MILLER M E	8755 Pa Aline 8620 Oreg SE T 9140 R I 3970 Kans 1173 Calif 5290 Mich 10160 Tex 10100 Calif Mrs 8380 Okla
MILLER N C MILLER P A MILLER P A MILLER P W MILLER R 48 MILLER R A MILLER R A MILLER R D MILLER R H	7460 N C 7400 N C 11380 W Va 1760 Conn 8480 Oreg 60 Md 7935 Ohio 7250 N Y 7900 Ohio
MILLER R J MILLER R J MILLER R K MILLER R L MILLER R L MILLER R W MILLER R W MILLER R W	8070 Ohio 1155 Calif 3250 III 5456 Mich 4200 Ky 4350 La 6200 Mont 10575 Utah 8070 Ohio 7900 Ohio
MILLER ROBE MILLER RUBIN MILLER RUBY MILLER S R MILLER T R MILLER V A MILLER V L MILLER W A MILLER W F	RT 4595 La VETTER 10930 Va TT Mrs 7450 N C 4730 Me 7420 N C 1390 Colo 11220 Wash 3870 Kan 5780 Miss
MILLER W M MILLER W M MILLER W R MILLER W R MILLER W T MILLICAN G C MILLICAN MAF MILLICAN MAF MILLICAN HILLICAN MAF MILLICAN HILLICAN MAF	3740 Iowa 3460 Ind 9750 Tenn 210 Ala 4300 Ky 5250 Mich 7260 N Y RY M 8010 Ohio 7250 N Y
MILLIGAN ANN	NE 10510 Utah

 
 MILLIGAN C H
 10462
 Utah
 MITCHELL W G
 10890
 Va

 MILLIKAN D F
 6060
 Mo
 MITCHELL W H
 7620
 N C

 MILLMAN JASON
 7250
 N Y
 MITCHELL W H
 1800
 Del

 MILLS E M
 6960
 N J
 MITCHELL W W
 300
 Alaska

 MILLS J F
 10180
 Tex
 MITCHELTREE W A
 7060
 N J
 MISHAPEC WILLIAM 7334 N Y
MISHAPER LAINE M 5340 Mich
MISHOE L 1 1940 Del
MISTRIC W J 7440 N C
MITCHELL A E 5350 Mich
MITCHELL A E 5350 Mich
MITCHELL B ABBARA A S 170 Mass
MITCHELL B ABBARA A S 170 Mass
MITCHELL B ABBARA A S 170 Mass
MITCHELL G E J 1450 Ky
MITCHELL G E J 173 Calif
MITCHELL J B 1173 Calif
MITCHELL J B 7960 Ohio
MITCHELL J B 8130 Ohio
MITCHELL J B 8130 Ohio
MITCHELL J B 11770 Wis
MITCHELL J B 1770 Wis
MITCHELL J B 3300 III
MITCHELL J B 3300 III
MITCHELL J B 6840 N H
MITCHELL J W 4650 La
MITCHELL J W 6500 La
MITCHELL T FAYE 4910 Md
MITCHELL T FAYE 4910 Md
MITCHELL W C 2960 Hawaii
MITCHELL W C 2960 Hawaii
MITCHELL V C 2960 Hawaii
MONTELARO JOSEPH 4510 La

MILLS E M 6960 N J

MILLS J F 10180 Tex

MILLS J H L 1580 Conn

MILLS K C 4190 Ky

MILLS QUEENIE B 3350 III

MILLS R B 3960 Kan

MILLS R B 3960 Kan

MITTERLING L A 1660 Conn

MILLS R B 3960 Kan

MITTERLING L A 1660 Conn

MILLS R B 3960 N D

MILLS R B 3960 Kan

MITTERLE W A 7060 N J

MILLS R B 3960 Kan

MITTERLE W A 7060 N D

MIXON A C 30 Ala

MIXON A MINISTE FLORING L. 10840 Va MINIX EVA S. 10930 Va MINIX EVA S. 10930 Va MOGGED C. G. 3690 Iowa MINIX EVA S. 10930 Va MOGGED C. G. 3690 Iowa MOGREN E. W. 1490 Colo MOHAMED A. H. 10150 Tex MOHAMED A. H. MONCLOVA JOSE LEBRON 8960 PR

MONTFORT W W JI 5780 Mas MCORE T C 5890 Grey MCORET C 5890 Grey MCORET

## MOSSMAN-NASH

MOSSMAN A S 1366 Calif
 MOSSMAN A S 1360 Calif
 MOSSMAN A C 4090 Cali 

NASH D J 1390 Colo
NASH D J 1390 Colo NASH V E 5700 Miss NASKALI R J 7930 Ohio
NASS GILBERT 1650 Conn NASSAR R 4080 Kans
NAST CHARLOTTE C 6740 N. II
NATH JH 1460 Colo NATH JOGINDER 11390 W Vo
NATION II 2000 E1-
NATTIJJ 7320 NY NATZKERP 7250 NY
NAUGHTON G C 4000 Kans NAUHEIM C W 3920 Kan
NAULTLR 8050 Ohio NAULTLR 8230 Ohio
NAIMANN II D SO40 Ma
NAVARRETE DELIA A 6050 Mo NAVAS-ELIAS A L Mrs 9065 P R
NAVE W R 3300 III NAWAR W W 5080 Mass
NAYLOR D W 3090 Idaho
NEAL AL 7250 NY
NEAL F.C. 2230 Fla
NEAL A L 7250 N Y NEAL E M 10300 Tex NEAL F C 2230 Fla NEAL J E 210 Ala NEAL J H 120 Ala
NEAL N.P. 11680 Wis
NEAL OM Jr 11490 W Va NEAL OR 6 CSRS
NEATHERY M W 2860 Ga
NEBLETT SARAH 7260 N Y
NEBLETT SARAH 7260 N Y NEBLETT SARAH 7260 N Y NEBE C % 10090 Tex NEEDHAM ENOCH 8250 Okla
NEELY W V 6620 Nev
NEETZEL J R 5570 Minn NEFF M S 2250 Fla
NEFF M S 2250 Fla NEFF S E 10860 Va NEGI N S 60 Ala
NEHER G M 3560 Ind NEIGH H F: 8780 Pa
NEIL PATRICK 3620 Iowa NEILD R E 6550 Nebr
NEISWANDER R B 8230 Ohio
NELL ANIONIA H 7270 N Y NELLOR J E 5200 Mich NELMS G E 11870 Wyo
NELSON A B 7100 N Mex
NELSON A G 400 Ariz NELSON A G 7250 N Y
NELSON A B 7100 N Mex NELSON A G 400 Ariz NELSON A G 7250 N Y NELSON A I 3330 III NELSON B H 10000 Tex NELSON BETTE Mrs 7332 N Y NELSON C E 1480 Colo
NELSON BETTE Mrs 7332 N Y NELSON C E 1480 Colo
NELSON C E 1480 Colo NELSON C L 5530 Minn NELSON D C 7770 N Dak NELSON D C 7830 N Dak
NELSON D C 7830 N Dak NELSON D E 11470 W Va
NELSON DE 7340 N Y
NELSON D. W. 3630 Tours
NELSON DEWITT 3730 Iowa NELSON E C 8280 Okla
NELSON ELLA W 11920 Wyo NELSON ERIC 4435 La
NELSON F E 390 Ariz NELSON G E 11190 Wash
NELSON G H 5650 Minn NELSON G L 5630 Minn
NELSON G L 8340 Okla NELSON G S 620 Ark
NELSON HELEN Y Mrs 7260 N Y NELSON I V 4595 La
NELSON J M 530 Ariz
NELSON J M 4120 Kan NELSON J R 11290 Wash

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NELSON JOEL 5630 Minn
   Minn
NELSON K E 3100 Idaho
NELSON L A 7550 NC
NELSON L E 5700 Miss
NELSON L F 6510 Nebr
NEUFFER M.G. 6030 Mo
NEUGENT MARY W 11140 Va
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| NELSON JOSEPHINE B Mrs | 5600 | NEWMAN J E | 3420 | Ind | NEWMAN J P | 5430 | Mich | NELSON K E | 3100 | Mich | NEWMAN I S | 1000 | Mich | M NELSON K E 3100 AGENT NELSON L A 7550 NC
NELSON L E 5700 Miss NEWMAN R J 4004 La
NELSON L F 6510 Nebt NEWSOM D W 4510 La
NELSON L L 3460 Ind NEWSOM L D 4490 La
NELSON L V 5230 Mich
NELSON LOWRY 5630 Minn
NELSON MARGARET R Mrs 11690
Wis NEWSOM L D 4435 La
NEWSOM R W 10930 Va
NEWSON MARION 7280 N Y
NEWTON AUDREY 6540 Nebr
NEWTON D W 4120 Kans
NEWTON H 10300 Tex NEWMAN KATHERINE J 7260 N Y NEUFELD DOROTHY H Mrs 3970 Kons NUCOLAI J H Jr 7380 N C NEUFFER M G 6030 M6 NEUGERT MARY W 11140 Vg NEUHARDT V A 7940 Ohio NEUHARDT V A 7940 Ohio NEUHARDT V A 8110 Ohio NEUHARDT V A 8110 Ohio NEUHARDT V A 8110 Ohio NEUMANN D F 7410 N C NEUMANN A L 7100 N Mex NEUMANN F P 3406 III NEUMANN T W 10020 Tex NEUNZIG H i. 7440 N C NEVILLE R H 10395 Utah NEVILLE W E Jr 2730 Ga NEVINS R B 5800 Miss NEW E H 4250 Ky NEWARK CHRISTINE 8170 Ohio NEWARK CHRISTINE 8170 Ohio NEWBERRY G F 10180 Tex NEWCOMER J L 4810 Md NEWCOMER W S 8420 Okla NEWELL H J 5560 Minn NEWELL L C 6410 Nebr NEWHALL W F 2240 Fla NEWHALL J H 6310 Mont NEWHALL W F 2240 Fla NEWHAND H W 5200 Mich NEWHALL W F 2240 Fla NEWHAND H W 5200 Mich NEWMAN A R 1 1080 Va NEWMAN A S 6 CSRS NEWMAN B E 4350 La NEWMAN J A 4220 Ky NEWMAN J A 4220 Ky NEWMAN J A 4220 Ky NEWMAN J A 5650 Minn NEWMAN J A 4220 Ky NEWMAN J A 5650 Minn NEWMAN J A 1220 Ky NEWMAN J A 5650 Minn NEWMAN J A 1220 Ky NEWMAN J A 5650 Minn NEWMAN J A 1220 Ky NEWMAN J A

NIPPER W A 4360 La NOVAK R L 6730 New Hamp NOVASAD A C 10180 Tex NOVASAD AC 10180 Tex NOVASAD NORDEN J A 3920 Km
NORDEN J A 3922 Kms
NORDEN J A 3920 Kms
NORDEN J A 3922 Kms
NORDEN J A 3920 Kms
NORDEN NORDEN A J 2020 Fla NORDIN J A 3920 Kan NORDIN J A 3922 Kans

OLINDE A J 4520 La OLIVELLA C A 8970 P R OLIVENCIA P J 9015 P R

OLSON L C 5610 Minn
OLSON L D 6100 Mo
OSTENSO GRACE L Mrs 11690 Wis
OLSON L E 10540 Utah
OSTENSON T K 7770 N Dak
OLSON N E 5650 Minn
OSTERLI V P 1173 Calif
PAAR G E 80 Ala
OSTRANDER C E 7250 N Y
PAARLBERG DON 3460 Ind
OLSON N O 11400 W Va
OSTROOT K J 9620 S Dak
OLSON PHYLLIS 3750 Iowa
OSWALD J W 4130 Ky
PACK ARD JEAN Mrs 11300 Wash
OLSON R A 6410 Nebr
OSWALD J W 4260 Ky
PACK ARD V S J 7 5565 Minn
OSWALD J W 4260 Ky
PACK ARD V S J 7 5565 Minn
PACKER P E 10560 Utah CLEAN RY 1950 Was
CLEAN DE 1908 57-8
CLEAN DE 1908 67-8
CHILL JE 1908 68-8
CHILL JE 1908 67-8
CHILL JE 1908 OSHIMA NAGAYOSHI 1410 Colo

OSMUN J V 3500 Ind

PARDILE PETT

PARDILE FE 330 S C

PARTHASARATIY MY 725 NY

PARTHASARATI

PEET HORACE 6120 MB
PEETV W J 3430 LG
PETV W J 3430 LG
PETV FOR STORY
PETV W J 3430 LG
PETV FOR STORY
PETV FOR

## PHILLIPS-POWELL

PHENRY H K 8480 Orea
PHIPPS R L 130 Colo
PHENRY B S 10 1990 Vg
PHENRY H 1590 Con
PHENRY B S 10 1990 Vg
PHENRY B 10 1990 Vg
PHENRY B S 10 1990 Vg
PHENRY B S 10 1990 Vg
PHENRY

POND M T 3460 Ind POWELL AE 11260 Wash
PIRONEM P 4380 La POND W G 7250 N Y POWELL AGNES T 10760 Vt
PIRONEM P 1580 Conn
PIROZOK R P 1580 Conn
PIRZADA TANVEER-UL-HASSAN 2920
Hawaii
POND W G 7250 N Y POWELL CARRIE B 2450 Ga
PONTRELLI M J 7344 NY POWELL DM 11270 Wash
POWELL DM 11270 Wash
POWELL DM 11270 Wash

 
 POWELL E A
 6610 Nev
 PRICE L E
 11110 Va
 PURCHASE MARY
 7260 N Y

 POWELL F C
 9740 Tenn
 PRICE M A
 10090 Tex
 PURCIFUL D E
 2170 Fla

 POWELL G R
 10000 Tex
 PRICE N O
 10850 Va
 PURDIE MARILYN
 5790 Miss

 POWELL H H
 2350 Ga
 PRICE P B
 9510 S Dak
 PURDY C W
 6100 Mo

 POWELL J A
 800 Calif
 PRICE R D
 5550 Minn
 PURDY H R
 8750 Pa
 POWELL J A 800 Calif POWELL J B 2600 Ga POWELL J D 2580 Ga POWELL JR 10310 Tex POWELL J R 10310 Tex POWELL KATHRYN S Mrs 9410 S C POWELL L E 7250 N Y POWELL L M 11910 Wyo POWELL M R 11090 Va POWELL N T 7510 N C POWELL R D 3630 Iowa POWELL N M 2530 Ga
POWELL WHITON 7270 N Y
POWELSON R L 8480 Oreg POWER J F 7860 N Dak
POWERS ADDIE R Mrs 2450 Ga POWERS J J 2460 Ga POWERS M J 11310 Wash POWERS R C 3805 Iowa POWERS R D 11740 Wis POWERS T E 8040 Ohio POWERS W L 3850 Kans
POWRIE W D 11664 Wis POYDRAS HELEN Mrs 4599 La PRINS RUDOLPH 9460 S C PRAKASAM B S 6960 N J PRAMER DAVID 7020 N I PRANGE THELMA R 8380 Okla PRASHAR D F 9640 S Dak
PRATER T E 10000 Tex 
 PRATER T E
 10000
 1 ex

 PRATHER E E
 220
 Ala
 PRITCHARD IOLA
 7450
 N C

 PRATHER MARY E Mrs
 150
 Ala
 PRITCHETT P E
 3430
 Ind

 PRATHER MARY E Mrs
 160
 Ala
 PRITCHETT W L
 2200
 Fla

 PRITHAM G H
 8900
 Pa

 PHATHER MARY E Mrs. 160
 Ala

 PRATHER NARY E Mrs. 160
 Ala

 PRATHER O C. 120
 Ala

 PRATO J D. 1173
 Calif

 PRATT C A 8270
 Okla

 PRATT CHARLOTTE S. 7330
 N Y

 PRATT GL. 7790
 N Dak

 PRATT DAN E. 11690
 Wis

 PRATT DAVID 11580
 Wis

 PRATT J N 10300
 Tex

 PROCTOR E A. 7410
 N C

 PROCTOR R E. 2390
 Ga

 PROCTOR S D. 7580
 N C

 PROEBSTING E. L. 1100
 Calif
 PRATT J N 10300 Tex
PRATT P F 1320 Calif
PRAWL W L 4010 Kan
PREISS JACK 930 Calif 
 PRAWL WL 4010 Kam
 PROEBSTING E L 1100 Calif

 PREISS JACK 930 Calif
 PROEBSTING E L 11310 Wash

 PRENTISS MARIAN G Mrs 1345 Calif
 PROGULSKE D R 9700 S Dak
 PRESCOTT G W 5220 Mich PRESCOTT J M 10050 Tex PRESLEY B D 560 Ark PRESSLEY E H 480 Ariz PRESTAGE J J 4594 La
PRESTEMON D R 3730 Iowa PRESTON A L Jr 6090 Mo PRESTON ELIZA B Mrs 5980 Mo PRESTON ELIZA H Mrs 6020 Mo PRESTON J B 2350 Ga PRESTON J C 7250 N Y PRESTON J S 10000 Tex PRESTON R J Jr 7470 N C PRESTON R L 5940 Mo PRESTON S B 5453 Mich PRETZER D D 3920 Koms PRICE A A 9980 Tex PRICE A A 10190 Tex PRICE A M 5930 Mo PRICE C A 7040 N J PRICE CARTER 590 Ark
PRICE D A 3070 Idaho
PRICE D R 7250 N Y PRICE DW 11230 Wash PRICE E O 7344 N Y PRICE F E 8460 Oreg PRICE F P 4760 Me

PRICERG 5550 Minn PRICERG 8350 Okla PRICE R K 6020 Mo PRICE B B 8330 Okla PRICE VANDILLA 4240 Ky PRICE W C 2170 Calif PRICKETT FARISS 160 Ala PRICKET I III.

PRIDHAM A M S 7250

PRIEDKALNS J 5650 Minn
PRIEST R O 10890 Va

PRIESTER JEANNE 160 Ala

PRIESTER L E Jr 9310 S C

PRIGGE G R 8240 Ohio

PRINCE A B 6850 N H

PRINCE R P 1620 Conn

PRINCE W R 7520 N C

PRINE G M 2020 Fla

PRINGE DOROTHY R Mrs 1169 PRINCE R P 1620 Conn
PRINCE W R 7520 N C
PRINE G M 2020 Fla
PRINGLE DOROTHY R Mrs 11690

PRINGLE WANDA C 680 Ark PRIODE B M 10840 Va
PRIODE B M 11010 Va
PRIODE B M 11010 Va
PRIOR FAITH K Mrs 10760 Vt
PRISTOU ROBERT 10970 Va
PRITCHARD FRANK 540 Ariz
PRITCHARD FOLA 7450 N C
PRITCHETT P E 3430 Ind
PRITCHETT W L 2200 Fla
PRIVETTO CV
PRIVETO CV
PR PROKOPY R J 1740 Conn
PROMERSBERGER W J 7790 N Dak PROUT HELEN 11280 Wash PROVVIDENTI ROSARIO 7320 N Y
PRUDENT INEZ Mrs. 8010 Ohio PRUDENT INEZ Mrs 8010 Onio
PRUDENT INEZ Mrs 8170 Ohio
PRUESS K P 6520 Nebr
PRUETT H T 110 Ala PRUESS K P 6520 Nebr PRUETT H T 110 Ala PRUETT J R 7100 N Mex PRUITT WO 1155 Calif
PUBOLS M F 11200 Wash
PUCKETT H B 3300 III
PUDELKIEWICZ W J 1670 Conn
PUGH A R 7960 Ohio PUGH C E 4580 La
PUGH C R 7410 N C
PUHALLA J C 1750 Conn PULESTON HARRY 1420 Colo PULIS W K 11240 Wash PULLEN W E 4630 Me PULLIN A T 5810 Miss PULS P F 7970 Obio PULSE P F 7970 Ohio PULVER G C 3410 Ind PULVER G C 11660 Wis PUMPHREY F V 8720 Oreg PUND W A 5880 Miss 
 PRICE F P
 4/80 Me
 PUMPHREY F V
 8720 Oreg
 RADEWALD J D
 1345 Cali:

 PRICE J D
 10180 Tex
 PUND W A
 5880 Miss
 RADKE F H
 4660 Me

 PRICE J D
 10290 Tex
 PURCELL A E
 7460 N C
 RADKE F H
 4670 Me

 PRICE J F
 5310 Mich
 PURCELL J C
 2755 Ga
 RADKE J K
 5640 Minn

 PRICE J W
 8050 Ohio
 PURCELL-RUIZ C M
 9050 P R
 RADLOFF H D
 11870 Wyo

 PRICE J ESSIE I
 7280 N Y
 PURCELL W D
 5250 Mich
 RAE K M
 260 Alaska

PURDY L H 11230 Wash PURLY P 1350 Calif PURINTON P T 5650 Minn PURKHISER E D 4150 Ky PURSEL V G 5500 Minn PURSEL V G 5680 Minn PURSEL V G 5080 MILLI PURSELL R A 8904 Pa PURSER D B 7910 Ohio PURSER W H 9460 S C PUSKAR HELEN T Mrs 8888 Pa PUTNAM DN 8770 Pa PUTNAM JA 5880 Miss PUTNAM L S 8050 Ohio
PUTNAM R L 10125 Tex
PUTNAM V E 3510 Ind PUTTLER BENJAMIN 6010 Mo PYLMAN R W 1380 Colo PYRON C A 9840 Tenn

## O

QUALSET C O 9730 Tenn QUAM MARY E 3530 Ind QUARLES C L 8866 Pa QUAYTL 7560 NC QUENEMOEN M E 6230 Mont QUESENBERRY C P 7550 N C QUICK JAMES 1173 Calif QUIMBY D C 6320 Mont QUINN DO 11510 W Va QUINN EMILY Mrs 7450 N C QUINN FRANCES R Mrs 873 Calif QUINN J A 3270 III QUINN W J 5650 Minn QUINONES F A 7090 N Mex QUINONES J A 9110 P R PROTHRO JOHNNIE W Mrs 1650 Conn
PROUD DOROTHY M 7260 N Y

QUINONES ROMEU ELVIN 9010 P R

QUINTANA VICTORIANO 9110 P R QUISENBERRY J H 10160 Tex QUIST J A 1560 Colo OURAISHI M S 7800 N Dak

RAATS PA 11800 Wis RABB JL 4580 La RABB R L 7440 N C RABB R L 7440 N C RABURN J A 2390 Ga RABY C T 4592 La RACER H M 8240 Ohio RACUSEN D W 10670 Vt RACUSEN DW 10670 Vt RADCLIFFE E B 5550 Minn RADELEFF R D 10310 Tex RADELEFF R D 10310 Tex RADERER 11135 Va RADERER 7940 Ohio RADERER 8110 Ohio RADER HELEN L 9830 Tenn RADES RJ 3450 Ind RADES RJ 3450 Ind RADEWALD J D 1345 Colif RADER E 1 4000 II

# RAESE-REHNBERG

RAESE J T 5890 Miss
RAETZMAN BARBARA L Mrs 1500
RAFELDE J 7960 Ohio
RAFFENSPERCER E M 7250 N Y
RAGGIL G 1177 Calif
RAGHEB HS 3440 Ind
RAGLAND J L 4140 Ky
RAGLAND J L 4140 Ky
RAGLAND J L 4140 Ky
RAGSDALE A C 5960 Mo
RAGSDALE B J 10170 Tex
RAGNEY R W 8740 Pa
RAMEY R W 8740 Pa
RAHMAN A R 9025 P R
RAHNEY R B 790 Ky
RANNEY R P 8740 Pa
RAHMAN A R 9025 P R
RAHNEY B 1890 Del
RAHNE 
 RAMAN R V 5420 Mich
 HATHMELL J R J 6000 C

 RAMGE J C 10220 Tex
 RATTERREE W B 2420 Ga
 REED HELEN M Mrs 2 REED J F 120 Ala REED J F 120 Ala REMINEZ ANDRES 8960 P R RAUDEN SHELLEY A 3350 III REED J K 9460 S C RAMIREZ ASTRID CONDE 8940 P R RAUDEN S 3830 Lowa REED J L 990 Calif RAMIREZ C T 9110 P R
 RAUDEN S 3830 Lowa REED J P 6950 N J REED J P 6950 N J REED J RE RAMIREZ ANDRES 8960 PR
RAMIREZ ASTRID CONDE 8940 PR
RAMIREZ C T 9110 PR
RAMIREZ C T 910 PR
RAMIREZ C T 9110 PR
RAMIREZ C T 0111 PR
RAMIREZ C 0111 PR
RAMIREZ C T 0111

RATCLIFF TILLIE IN WILS
RATTERREL J K JI 8860 Pa
RATTERREE W B 2420 Ga

REED HAZEL E 7250 N Y REED HELEN M Mrs 9830 Tenn

REIBER H G 950 Calif REYNOLDS IONA M 5170 Mass RICHARDSON DRAYTFORD 386C REIBER S R 4910 Md REYNOLDS ISABEL L Mrs 3530 Ind REYNOLDS J A 10930 Va REYNOLDS J A 10930 Va REYNOLDS J E 2000 Fla RICHARDSON E A 10575 Utah REICHARD TA W 4400 La REYNOLDS J E 2000 Fla RICHARDSON E C 5360 Mich REICHARD TA W 4400 La REYNOLDS MAY S 1880 Del RICHARDSON E JOYCE 9370 S C REICHARD TA R 8610 Orea REYNOLDS MAY S 1880 Del RICHARDSON G 8 5860 Orea REYNOLDS MILDRED 8620 Orea RICHARDSON H R 1173 Calif REICHART R R 8610 Oreg
REICHOW R W 3970 Kans
REID B L 500 Ariz
REID B R 1250 Calif
REID D J 5230 Mich
REID LBERT 7370 N C
REID IS 750 Ark
REID J T 2760 Ga
REID J T 7250 N Y
REID J T 7250 N Y
REID JOAN 11690 Wis REID L M 3720 Iowa REID P H 7540 N C REID R L 11400 W Va REID PH 7540 N C
REID PL 11400 W Vo
REID PL 11400 W Vo
REID PL 1540 N C
REID W C 8640 Over
REID W S 8640 Over
REID W S 960 Mo
REID W J 5960 N C
REID W J 7500 N C
REID W W 750 REYNOLDS ANDE PATSY 10140 Tex
REYNOLDS CW 4920 Md
REYNOLDS CW 4920 Md
REYNOLDS EMILY P 7820 N Dak
REYNOLDS GE 8700 Oreg
REYNOLDS G J 8350 Okla
REYNOLDS G W 10575 Utah
REYNOLDS G W 10575 Utah
REYNOLDS H L 7370 N C
REYNOLDS H W 490 Ariz REYES A A 10150 Tex REYES LUCAS 10300 Tex

REYNOLDS S D Jr 10125 Tex REYNOLDS W L 4580 La RHEA M B 1369 Calif RICHARDS S H 10440 Utah RICHARDS S J 1320 Calif

| REYNOLDS J A 10930 Va | REYNOLDS J E 2000 Fla | REYNOLDS J E 2000 Fla | REYNOLDS J E 2000 Fla | REYNOLDS MAY S 1880 Del | REYNOLDS MILDRED 8620 Oreq | REYNOLDS R K 10880 Va | REYNOLDS S D Jr 10125 Tex | REYNOLDS W L 4580 La | RICHARDSON J W 30 Aia | RICHARDSON M A 5430 Mich RIERA ALFONSO 9065
RIES S K 5350 Mich
RIEWE ME 10300 Tex
RIGAU GABRIEL 9010 P
RIGG JOSEPHINE H Mrs 1
RIGGS J F III 400 Ariz
RIGGS J K 10040 Tex
RIGGS R D 670 Ark
RIGGNEY J A 7575 N C
RIKER J T III 6720 N H
RILEY H M 5250 Mich
RILEY L W 9320 S C
RILEY M P 9680 S Dak
RILEY M P 9680 S Dak
RILEY M F J F 5430 Mich
RINCKER C M 11190 Wash
RINCKER C M 11190 Wash
RINGER R K 5370 Mich
RINGER R B 10462 III N RINGER R K 5370 Mich RINGER W B 10462 Utah RINGLER W E 3840 Kan RINGO JESSIE W Mrs 4240 Ky RINGROSE A T 10980 Va RINGROSE R C 6720 N H RINGS R W 8050 Ohio RINGS R W 8230 Ohio RINGUETTE C M O CSRS

# RINICK - ROGERS

RINICK HR Jr 7300 NY RINKENBERGER G D 5420 Mich RINNER W 3250 III RIOLLANO A 9110 PR RIOLLANO ARTURO 9107 PR RIPPEN A L 5310 Mich RIPPEY J N 9170 R I RISHELL W A 3800 Iowa RISHER C F 9440 S C RISING ALICE Mrs 7820 N Dak RISING J L 3560 Ind RISIUS M L 8740 Pa RISSINGER MARY K 8820 Pa RISTIC MIODRAG 3380 III RITCHER PO 8530 Oreg RITCHEY SANFORD J 10962 Va RITCHIE A E 7890 Ohio RITCHIE A E 7970 Ohio RITCHIE F T 2350 Ga RITCHIE HARLAN 5200 Mich RITCHIE R 9290 S C RITTER C M 8660 Pa RITTER MARYLOUISE Mrs 9970 Tenn RITTER W F 3710 Iowa RIVERA-ANAYA J D 8970 P R RIVERA-BRENES LUIS 8970 PR RIVERA-deMISKIMEN CARMEN Mrs 8980 P.R RIVERA-LOPEZ CARLOS 9100 PR RIVERA-NUNEZ JOSEFINA 9065 PR RIVERA-VALIENTE RAFAEL 8930 DR RIVERA-VAZQUEZ A B 9025 PR RIVERO JA 8980 PR RIVERS DW 5770 Miss RIVERS JERRY M 7260 NY RIVERS RUTH Mrs 133 Ala RIXE LLOYD 6230 Mont RIZEK R L 3690 Iowa RIZZI A D 1173 Calif ROACH MARY E 11690 Wis ROADHOUSE C L 1010 Cahi ROANE C W 10970 Va ROARK B A 5880 Miss ROARK C B 4580 La ROARK FAE 4500 La ROATH C W 6390 Mont ROBB T A 3720 Iowa ROBB T R 11910 Wyo ROBBINS J E 6210 Mont ROBBINS J E 6220 Mont ROBBINS P R 3460 Ind ROBBINS R C 2120 Fla ROBBINS W C 4750 Me ROBELRJ 4100 Kom ROBELLO ERNEST Jr 3630 Iowa ROBERDS J H 7470 N C ROBERSON GEORGIA T Mrs 9370 S C ROBERSON OPAL M 3750 Iowa ROBERSON R H 7210 N Mex ROBERTS A N 8630 Oreg
ROBERTS B J 5610 Minn
ROBERTS C A 8400 Okla ROBERTS CR 4000 Kam ROBERTS C S 210 Ala ROBERTS D A 2170 Fla ROBERTS DIANNE 4435 La ROBERTS E C 3760 Iowa ROBERTS E G 5780 Miss ROBERTS FLOYD 380 Ariz ROBERTS H A 3910 Kan ROBERTS H H 680 Ark ROBERTS HAZEL L Mrs 11300 Wash ROBERTS J B 4180 Ky ROBERTS JE 630 Ark ROBERTS JF 7560 N C ROBERTS J F 7560 N C ROBERTS J H 4435 La ROBERTS JUNE 11260 Wash ROBERTS N K 10440 Utah ROBERTS R E 1660 Conn

ROBERTS R E 2360 Ga ROBERTS R H 5880 Miss ROBERTS R W 610 Ark ROBERTS S J 7280 N Y ROBERTS STEVE 8680 Oreg ROBERTS W C 4435 La ROBERTS W J 6940 N J ROBERTS W M 7460 N C ROBERTS W P Jr 11860 Wyo ROBERTSON A C 3130 Idaho ROBERTSON A S 5640 Minn ROBERTSON AUDRA R 6020 Mo ROBERTSON B R 4180 Ky ROBERTSON B T 210 Ala ROBERTSON D.S. 3740 Iowa ROBERTSON D W 1380 Colo ROBERTSON F R 20 Ala ROBERTSON F R 130 Ala ROBERTSON G L 4360 La ROBERTSON G M 8460 Oreg ROBERTSON J C 1420 Colo ROBERTSON J C 4150 Ky ROBERTSON J C H 11375 Wash ROBERTSON J H 6670 Nev ROBERTSON J K 9760 Tenn ROBERTSON J W 2450 Ga ROBERTSON L S 5420 Mich ROBERTSON R L 7440 N C ROBERTSON R R 5780 Miss ROBERTSON THYRELE 3690 Iowa ROBERTSON VALMAE Mrs 4460 La ROBERTSON W K 220C Fla ROBERTSTAD G W 9530 S Dak ROBEY C L 8215 Ohio ROBICHAUX WAYNE 4530 La ROBINETTE GO 11745 Wis ROBINSON BH 9340 SC ROBINSON BROOKS 9730 Tenn ROBINSON C E 8040 Ohio ROBINSON C W 1560 Co.o ROBINSON D B 7970 Ohio ROBINSON D B 7935 Ohio BOBINSON D D 7450 N C ROBINSON D L 4120 Kans ROBINSON D W 8370 Okla ROBINSON E E 3700 lowa ROBINSON E L 5880 Miss ROBINSON F A 2090 Fla ROBINSON F E 1155 Calif ROBINSON G D 6690 Nev ROBINSON G E Jr 4592 La ROBINSON GAYLAND D 6690 Nev ROBINSON H F 7360 N C ROBINSON H F 7590 N C ROBINSON J L 3630 lowa ROBINSON JEAN Mrs 7260 N Y ROBINSON K L 7250 N Y ROBINSON LILLIE M Mrs 2320 Fla ROBINSON M C 10060 Tex ROBINSON P L 4595 La ROBINSON R G 5470 Minn ROBINSON R J 3980 Kan ROBINSON R M 10250 Tex ROBINSON R R 4 CSRS ROBINSON R W 3110 Idaho ROBINSON R W 7334 N Y ROBINSON T R 7960 Ohio Ohio ROBINSON V L 2480 Ga ROBINSON W B 7310 N Y ROBINSON W E 4690 Me ROBISON E D 10300 Tex ROBISON O W 7380 N C ROBLES-ARZUAGA JUAN 8945 P R ROBLES-BONILLA R 9010 PR ROBOCKER W C 11190 Wash ROBOTKA FRANK 3690 Iowa ROBSON D S 7250 N Y ROBYT J F 3660 Iowa

ROCHE' B F Jr 11290 Wash ROCHE E H 8215 Ohio ROCHESTER M C 9340 S C ROCHOW W F 7250 N Y ROCHOW W F 725U N ROCK G C 10920 Va ROCK G C 11020 Va ROCK R C 1345 Calif ROCKCASTLE V N 7250 N Y ROCKEY M B 8730 Pa RODABAUGH D E 6100 Mo RODDY L R 4594 La RODEBERG H E 6240 Mont RODENBACH R C 8840 Pa RODERICK C V 5990 Mo RODERUCK CHARLOTTE 3750 Iowa RODEWALD G E Jr 3270 III RODGERS AVA D 2490 Ga RODGERS CLETA C Mrs 6050 Mo RODGERS E G 2020 Fla RODGERS J B 8520 Oreg RODGERS J B 600 Ark
RODGERS J H 10900 Va
RODGERS P D 2420 Ga
RODNEY D R 470 Ariz RODRIGUEZ A J 9025 PR RODRIGUEZ-ARIAS J H 8950 P R RODRIGUEZ-BENITEZ VICTOR 9085 RODRIGUEZ BERNARDINO 8970 PR RODRIGUEZ-CABALLERO A G Mrs 9090 PR RODRIGUEZ-CABRERA ANGEL 9110 PΒ RODRIGUEZ-de VARGAS BEATRIZ Mrs 8940 PR RODRIGUEZ-de ZAPATA LILIAN Mrs 8940 PR RODRIGUEZ J G 4200 Ky RODRIGUEZ J P 9112 P R RODRIGUEZ-KABANA R 60 Ala RODRIGUEZ-LAJARA A 9040 P.R. RODRIGUEZ LAJARA ARMANDO 9065 PR RODRIGUEZ RH 8990 PR RODRIGUEZ R L 8960 P R RODRIGUEZ-SOSA E J 9025 PR RODRIGUEZSJ 9110 PR RODRIGUEZ-VELEZ J L 9110 PR RODWELL V W 3440 Ind ROEHRKASSEE G P 11930 Wyo ROELFS A P 5610 Minn ROELOFS W W 5365 Mich ROELOFS W L 7290 N Y ROEMHILD G R 6320 Mont ROENIGK W J 8040 Ohio ROEPKE M H 3660 Iowa ROESSLER E B 1060 Calif ROEVER W E 9840 Tenn ROFFLER R E 11610 Wis ROGERS ANN N 9370 S C ROGERS ANN N 9410 S C ROGERS B L 4920 Md ROGERS C J 2010 Fla ROGERS D T Jr 10930 Va ROGERS E A 1560 Colo ROGERS E B Jr 9360 S C ROGERS H T 30 Ala ROGERS H V 9280 S C ROGERS J D 11290 Wash ROGERS J T 9370 S C ROGERS KATE E 6050 Mo ROGERS L F 6620 Nev ROGERS M D 9340 S C ROGERS M J 11010 Va ROGERS M J 11170 Va ROGERS M N 6060 Mo ROGERS O M 6840 N H ROGERS PATRICIA J Mrs 10962 Va ROGERS R H 10000 Tex ROGERS R L 3770 Iowa

 
 ROGERS R R
 5930 Mo
 MOSENFELD LOUISE M
 3720 Iowa
 ROWE P R
 11730 Wis

 ROGERS R W
 5710 Miss
 ROSENKRANS D B
 5735 Miss
 ROWE P AULINE M
 107.

 ROGERS S J
 6220 Mont
 ROSENKRANZ E E
 5820 Miss
 ROWE R J
 4710 Me

 ROGERS S N
 3880 Kan
 ROSENOW D T
 10295 Tex
 ROWELL J B
 5610 Mis

 ROGERS T H
 2350 Ga
 ROSENSTIEL R G
 8530 Oreg
 ROWELL J O
 10920 V

 ROGERS W
 9110 P R
 ROSENWALD A S
 1173 Calif
 ROWELL L S
 10630 V

 ROGERS W
 220 Ala
 ROSIER L G
 10310 Tex
 ROWIAND PRISTIL A
 ROWIAND PRISTIL I
 ROGERS W 9110 P R ROGERS W A 220 Ala ROGGE R L 5459 Much ROGLER J C 3430 Ind ROHDE C R 8720 Oreg ROHDE R A 5070 Mass ROHDY D D 1430 Colo ROHWEDER D A 11570 Wis ROJAS-DAPORTA MANUEL 9110 PR ROKEBY TRF 620 Ark ROKEY N W 330 Ariz ROLDAN JULIAN 8960 P R ROLDAN-REGUS JULIAN 9060 PR ROLF FLOYD 400 Ariz ROLLER W L 7980 Ohio ROLF FLOYD 400 Ariz ROLLER W L 7980 Ohio ROLLER W L 8150 Ohio ROLLINS F D 500 Ariz ROLLINS GH 80 Ala ROLLINS H A Jr 10960 Va ROLLINS M B 6680 Nev ROLLINS MABEL A 7260 N Y ROLLINS W C 910 Calif ROLLO C A 120 Ala ROLLOFF J A 7970 Ohio ROLUFS L E 9650 S Dak ROOT F H 3320 III ROOT R B 7250 N Y ROPER J B 4910 Md ROPKO ELAINE Mrs 4910 Md ROQUE ARTURO 8930 P R RORHOLM NIELS 9195 R I ROSA J M 3130 Idaho ROSADO-CARBO GILBERTO 9110 PR ROSAS HERMAL 9900 Tenn ROSAS-PRECIADO PEDRO 8960 P R ROSBERG D W 10150 Tex ROSE EITHEL Mrs 150 Ala ROSE EITHEL Mrs 160 Ala ROSE G N 2000 Fla ROSE R I 8230 Ohio ROSE R I 8050 Ohio ROSEHART JOAN A 7250 N Y ROSELLE R E 6520 Nebr ROSEN ARNOLD 1580 Conn ROSEN S D 6280 Mont ROSENAU W A 5120 Mass ROSENBERG L E 1160 Calif ROSENBERG N J 6550 Nebr | ROSENBERG N | 6550 Nebr | ROWE G A 873 Calif | ROSENBERGER S | 2000 Fla | ROWE G P 6020 Mo | ROSENCRANZ MARY L Mrs 6050 Mo | ROWE HELEN A 10930 Va | ROWE K E 8700 Oreg

ROSIER J G 10310 Tex ROSIN EBERHARD 5650 Minn ROSIN EBERHARD 5650 Minn
ROSKELLEY R W 10570 Utah
ROSS A F 7250 N Y
ROSS C V 5940 Mo
ROSS E W 2480 Ga
ROSS E W 2530 Ga
ROSS EDDYE B 2450 Ga
ROSS EDWARD 2980 Haw
ROSS ENNEST 2920 Hawaii
ROSS EUGENE 3970 Kans ROSS G E Jr 7280 N Y ROSS J E 31 7200 N C
ROSS H F 7400 N C
ROSS J J 2010 Fla
ROSS J A 6060 Mo
ROSS J E 11740 Wis
ROSS J E 5940 Mo ROSS J G 9510 S Dak
ROSS J P 7510 N C
ROSS JACKSON 8550 Oreg ROSS L M 5520 Minn ROSS M A 3450 Ind ROSS MARY H Mrs 10920 Va ROSS R D 5780 Miss ROSS R D 10860 Va ROSSMAN E C 5230 Mich ROMANOWSKI R IT

ROMBERG L D 10310 Tex

ROMIG R W 5610 Minn

ROMINE D S 1380 Colo

ROMSDAL S D 1380 Colo

RUFF H H IT DOWS ...

RUFFIN M 4595 La

RUFFIN M 4500 La

RUFFIN M 4595 ROTHENBUHLER W.C. 8250 Onto ROTHGEB R.G. 4810 Md ROTHLISBERGER J.A. 6590 Nebr ROTHMAN P.G. 5880 Miss ROTHSTEIN MORTON 11620 wis
ROTHWELL D F 2200 Fla RUMBURG C B 8720 Oreg
ROTHWELL HERMAN 4180 Ky RUMERY M G 6590 Nebr
ROTTMAN F M 5210 Mich
ROTTMANN L F 5970 Mo RUMBEL D R 10090 Tex
ROTZIEN C R 7840 N Dak
ROUBICEK C B 340 Ariz RUMBELL L L 8060 Ohio
RUMD R C 3440 Ind
RUMC F C A 3250 Ill ROTHSTEIN MORTON 11620 Wis ROTHWELL DF 2200 Fla ROUGON P V 4420 La ROULS JANALYCE 3510 Ind ROUND G S 6530 Nebr ROULS JANALYCE 3510 Ind ROUND G S 6530 Nebr ROURE-RIERA LUIS A 8980 P R ROURKE R V 4770 Me ROUSE A H 2240 Fla ROUSE E P 630 Ark ROUSE R D 20 Ala ROUSE R D 125 Ala ROUSE R D 125 Ala
ROUSH J R 3280 III
ROUSSEA U J E 1590 Conn
ROUSSEL J S 4435 La
ROUSSEL J S 44440 La
ROUTH MARY 10140 Tex
ROUTHE H G 5520 Minn ROUSSEAU JE 1590 Conn ROUTLEY D G 6840 New Hamp

ROWE PAULINE M 10730 Vt HOWERJ 4710 Me
ROWELL JB 5510 Minn
ROWELL JO 10920 Va
ROWELL LS 10630 Vt
ROWLAND PRISCILLA 10510 Utah
ROWLAND WF 1460 Colo
ROWLEY RUTH M Mrs 11280 Wash
ROWND R H 11500 W ROWNDRH 11590 Wis ROWZEE M A 5770 Miss ROY E P 4400 La ROY K B 100 Ala HOY K B 100 Ald ROYAL E R 3330 III ROYAL G C 7620 N C ROYAL GLADYS W 10 CSRS ROYAL GLADYS W Mrs 7600 ROYAL GLADYS W Mrs 7630 N C ROYER E J 7960 Ohio ROYLANCE H B 3190 Idaho RUBATZKY V E 1173 Calif RUBENTHALER GORDON 3980 Kons RUBIN ROBERT 1390 Colo RUBINS E J 1660 Conn RUBIS D D 320 Ariz RUBLE F J 7970 Ohio RUBRIGHT L V 8780 Pa RUDO E 10970 Va RUDD R L 1160 Calif RUDD R W 4180 Ky RUDE L C 6230 Mont RUDINSKY J A 8530 Oreg RUDMAN L E 6530 Nebr RUDNICK A W 3680 Iowa RUDNICK A W Jr 4170 Ky RUDOLPH E D 7930 Ohio RUDOLPH V J 5365 Mich RUDY R L 8040 Ohio RUECKERT R R 11590 Wis RUFFANER J M 8864 Pa RUIZ de MONTALVO M delC Mrs RULEY H 6100 Mo
RULEY BESSIE J 460 Ariz
RULIFFSON W S 3880 Kan
RUMBAUGH M D 9510 S Dak RUNGE E C A 3250 III RUNKLES J R 10180 Tex RUNNELS H A 8100 Ohio RUNNELS T D 1810 Del RUNNER M H 8860 Pa RUPEL ANNABEL 3510 RUPPEL E G 490 Ariz RUPPEL R F 5280 Mich RUSCHELL G J 4210 Ky RUSH J M 9300 S C RUSH KATHRYN Mrs 160 Ala RUSHING ANN O 5810 Miss RUSHING T T 5700 Miss RUSK CR 9815 Tenn RUSOFF L L 4390 La RUSS O G 3850 Koms HUSSELL AUBREY W Mrs 10110 RUSSELL BARBARA J 7270 N Y RUSSELL AUBREY W Mrs 10110 Tex RUSSELL C C 7250 N Y

## RUSSELL - SAWYER

RUSSELL DE 1030 Vo
RUSSELL DE 1030 Tex
RUSSELL DE 1060 La
RUSSELL EJ 4626 La
RUSSELL EJ 4626 La
RUSSELL EJ 4626 La
RUSSELL EJ 4626 La
RUSSELL H 10310 Tex
RUSSELL H 10320 NC
RUSSEL H 10320 NC
RUSSELL H 10320 NC
RUSSEL H 10320 NC
RUS

| SAMUCLIS GEORGE | 9860 | P R | SARLES W B | 11500 | Wis | SANCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | 7120 | N Mex | SARCHEZ | Color | N SARCHEZ

SAUBEL EVELYN R Mrs 8882 Pa

SAWYER W A 8720 Oreg SCHILLINGER J A 5280 Mich SCHOLTEN MARVIN 9590 S Dak SAXENA K M S 3370 III SCHINAGL J F 8760 Pa SCHOLTES W H 3630 Iowa SCHINDLER D E 3940 Kan SCHOLZ E W 7830 N Dak SAXTON ETHEL H 6530 Nebr SCHINNELLER J A 11630 Wis SCHOMAKER C E 4750 Me SAXTON K E 6000 Mo SCHIPPER I A 7720 N Dak SCHOMAKER C E 4750 Me SCHOMAKER C E 4750 Me SCHIPMAN R D 11190 Wash SCHOMER H A 11310 Wosh SCHOMLER A B 7680 N Dak SCHOMER B B 7680 N Dak SCHOMER B B 7680 N Dak SCHOMER B 7680 N DAK SCH SAYLOR NATHANIEL 2270 Fla SCALES A L 5880 Miss SCALES MURLE 8550 Oreg SCANNELL R J 7250 N Y

SCHIRMER R G 5430 Mich SCHISLER L C 8864 Pa 
 SCHERTZ H B
 980 Calif
 SCHOLL CATHEHINE M MIS
 460
 SCHEWAR VELLET SAT D
 SCHWARD P
 8340 Okla

 SCHEXNAYDER C A
 4380 La
 SCHOLL J M
 11570 Wis
 SCHWARD P
 8340 Okla

 SCHIAGER K J
 1390 Colo
 SCHOLL MRIAM G
 8620 Oreg
 SCHWAR G
 8150 Ohio

 SCHIFFMAN CAMILLE
 1880 Del
 SCHOLTEN MM
 9580 S Dak
 SCHWAR G
 8150 Ohio

 SCHILD D T
 873 Calif
 SCHOLTEN HAROLD
 5570 Minn
 SCHWADA J W
 5930 Mo

SCHOMER H A 11310 Wash SCHOOLER A B 7680 N Dak 
 SCHABBROOK CE
 30 Ata
 SCHLOSER MARTIN
 350 Atiz
 SCHEINER ERNST
 6800 New Ham

 SCHAAL A
 3420 Ind
 SCHLOSSER MARTIN
 350 Atiz
 SCHEINK W G
 3900 Kan

 SCHAARS M A
 11620 Wis
 SCHLOSSER B
 8820 Pa
 SCHEINER ERNST
 6800 New Ham

 SCHABINGER ROBERT
 11460 W Va
 SCHLOSSER B
 8820 Pa
 SCHEINER ERNST
 6800 New Ham

 SCHAEFER M
 W 700 Oreg
 SCHLOTTHAUER J C
 5650 Minn
 SCHEINER ERNST
 6800 New Ham

 SCHAEFER M
 W 8720 Oreg
 SCHLUTTE F
 10290 Tex
 SCHEINER ERNST
 6800 New Ham

 SCHAEFER M
 W 8720 Oreg
 SCHLUTTE F
 10290 Tex
 SCHEINER ERNST
 6800 New Ham

 SCHAEFER M
 W 8720 Oreg
 SCHLUTTE F
 10290 Tex
 SCHEINER ERNST
 6800 New Ham

 SCHAEFER M
 W 8720 Oreg
 SCHLUTTE F
 10290 Tex
 SCHEINER ERNST
 6800 New Ham

 SCHAEFER M
 W 8720 Oreg
 SCHLUTTE F
 10290 Tex
 SCHEINER ERNST
 6800 New Ham

 SCHAEFER M
 W 700 Oreg
 SCHLUTTE F
 10290 

SCHWALBACH-SHAW

SCHWAL

SHELLENBERGER F A 2950 Hawati
SHELLENBERGER F A 3960 Km
SHELLENBERGER P A 10080 Tex
SHOFFRER N 5620 Minn
SHELLENBERGER P B 10080 Tex
SHOFFRER N 5620 Minn
SHELLENBERGER P B 10080 Tex
SHOFFRER R 5650 Minn
SHELLEY D A 9370 S C
SHOFFRER R 5650 Minn
SHELLEY D S 5960 Mo
SHORNER W K 670 Ark
SHELLEY D S 5960 Mo
SHORNER W K 670 Ark
SHELLEY J G 3780 Iowa
SHELTON C H 9728 Tenn
SHOTT C F 6100 Mo
SHELTON J F 7540 N C
SHORT E C J 5650 Minn
SHELTON J M 10295 Tex
SHORT C 24 Ala
SHELTON V L 11360 Wash
SHENDR T 1460 Colo
SHOTT SE B J 7 2560 Ga
SHENDR T 1460 Colo
SHOTT SE B J 7 2560 Ga
SHENDR T J 1460 Colo
SHOTT SE B J 7 2560 Ga
SHENDR T J 1035 Tex
SHOWAN A E 7935 Ohio
SHENDR T J 10125 Tex
SHOWAN A E 7935 Ohio
SHEPPARD D H 5400 Mich
SHEPPARD D R 57250 N Y
SHEPPARD R A 4250 Ky
SHEPPARD C C 5370 Mich
SHEPPARD C C 5370 M

SHAW C G 11320 Wash
SHAW G G 11320 Call
SHEMAN R D 2900 Haw
SHEMAN R D 2900 Haw
SHEMAN R D 2900 Haw
SHEMAN R G D 2900 Haw
SHUMAN F L JF 5730 Miss
SHUMAN F L JF 5730 M

## SIMPSON - SMITH

SIMPSON 18 11260 Weah
SIMPSON 17 1360 Kens
SIMPSON 18 11260 Kens
SIMPSON 17 1370 Kins
SIMPSON 18 11260 Kens
SIMPSON 18 11360 Kens
SI

SOTTH JA 489 KY
SOTTH JC 1000 Te
SOTTH JC 1000 Te
SOTTH JC 1000 Te
SOTTH JC 1000 Te
SOTTH JC 100 Are
SOTTH J

SPARKE JARRELL 350 G
SPARKEL MAGO C

STEELMAN VIRGINIA P Mrs. 4500 La

STEELMAN VIRGINIA P Mrs. 4500 La

STEENBOOK H J 160 Au

STRAND-SWOPE

STANDAY 300 Jose
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SYKES DJ 3420 Ind
SYKES JF 2 CON9
SYKES JF 2 CON9
SYKES JF 3420 Ind
SYKES JF 3420 In

# THOMAS- TORELL

THOMAS E D 4890 Md THOMAS E L 5565 Minn THOMAS FB 7460 N C THOMAS F H 2240 Fla THOMAS G M 11920 Wyo THOMAS G T 5690 Miss THOMAS G W 6010 Mo THOMAS G W 11170 Va THOMAS GENEVIEVE Mrs 2320 Fla THOMAS H L 5470 Minn THOMAS H R 10840 Va THOMAS H R 10840 Va
THOMAS H R 11010 Va
THOMAS J A 10590 Utoh
THOMAS J E 8290 Okla
THOMAS J R 10295 Tex
THOMAS K E 3970 Kcms
THOMAS K H 5520 Minn THOMAS M D 8500 Oreg THOMAS O O 6200 Mont THOMAS P E 11320 Wash THOMAS PR 7960 Ohio THOMAS RO 5880 Miss THOMAS RO 11400 W Va THOMAS R W 3690 Iowa THOMAS VELMA Mrs 6170 Mo THOMAS W B 3920 Kon THOMAS W I 8740 Pa THOMAS W J 5240 Mich THOMAS W O 5880 Miss THOMAS W R 1173 Calif THOMAS WINFRED 250 Ala THOMASON I J 1300 Calif THOMASON RE 7470 N C THOMASSON R R 5930 Mo THOMPSON A E 3360 III THOMPSON A H 4920 Md THOMPSON ANN ELIZABETH 2100 THOMPSON B D 2220 Fla THOMPSON C A 4120 Kans THOMPSON D L 7400 N C THOMPSON D Q 7250 N Y THOMPSON E F 10940 Va THOMPSON G B 5940 Mo
THOMPSON G T 11260 Wash THOMPSON H E 3630 Iowa THOMPSON H E 3960 Kans THOMPSON J C 2390 Ga THOMPSON J C Jr 7280 N Y THOMPSON J E 9570 S Dak THOMPSON J F 4180 Ky
THOMPSON J F 7250 N Y
THOMPSON J F 11630 Wis THOMPSON J M 2860 Ga THOMPSON J R 5680 Minn THOMPSON J T 2720 Ga THOMPSON KATHLEEN 160 THOMPSON L D 590 Ark THOMPSON L E 3770 Iowa THOMPSON L F 560 Ark THOMPSON L G Jr 2200 Fla THOMPSON L M 3610 Iowa THOMPSON L M 3630 Iowa THOMPSON L S 6230 Mont THOMPSON M A 4010 Kans THOMPSON M P 8770 Pa THOMPSON MARY R 3370 III THOMPSON N P 2120 Fla THOMPSON N R 5230 Mich THOMPSON N R 10870 Va
THOMPSON O E 970 Calif
THOMPSON O E 1030 Calif THOMPSON P E 3740 Iowa THOMPSON P P 7610 N C THOMPSON PATRICK 6950 N J THOMPSON R A 3490 Ind THOMPSON R B 9840 Tenn THOMPSON R C 7342 NY THOMPSON R D 1420 Colo

THOMPSON R D 5570 Minn THOMPSON R G 5970 Mo THOMPSON R K 320 Ariz THOMPSON R L 5680 Minn THOMPSON RUTH Mrs 4410 La THOMPSON S E 8890 Pa THOMPSON S H 3690 Iowa THOMPSON S O 4591 La THOMPSON S S 2530 Ga THOMPSON U.D. 10040 Tex THOMPSON V.J. 4190 Ky THOMPSON W C 4140 Ky THOMPSON W D 8420 Okla THOMPSON W N 3280 III THOMPSON W P 547 Ariz THOMPSON W R 5700 Miss THOMPSON W R Jr 5700 Miss THOMPSON W S 4490 La THOMPSON W S 5780 Miss THOMSON C L 5150 Mass
THOMSON G W 3730 Iowa
THOMSON H J 8390 Okla THOR ERIC 873 Calif THOR EYVIND 9815 Tenn THORBECKE ERIK 360 Iowa
THORBECKE ERIK 360 Iowa
THORDARSON T W 7780 N Dak
THORNBERRY H H 3370 III
THORNBURGH D A 1364 Calif
THORNBY J I 2210 Fla THORNE ALISON Mrs 10500 Utah THORNE D W 10360 Utah THORNE GERALD 9110 P R THORNE J C 11430 W Va THORNE J P 10575 Utah THORNE M D 3250 III THORNHILL H B 90 Ala THORNHILL H B 90 Add
THORPE J D 10464 Utah
THORNEJ L 7350 NY
THORNLEY H F 10610 Utah
THORNTON E J 9960 Tenn
THORNTON G D 1990 Fla THORNTON J B 4210 Ky THORNTON MILDRED L Mrs 1410 Colo

THORPRW 990 Calif THORP W T S 5460 Minn THORP W T S 5650 Minn THORPE ALICE C Mrs 5340 Mich THORPE D M 9720 Tenn
THORPE D M 9790 Tenn
THORPE D M 9790 Tenn
THORPE J D 10460 Utah THORPE MARGARET L 1970 Del THORTON J F 9480 S C
THORUD D B 5570 Minn THRASH NELLE 2490 Ga THRASH NELLE 2490 Ga
THRASHER D M 4360 La
THRASHER J P 2560 Ga
THRET DINKEY E 4599 I THRIFT PINKEY E 4599 La THRONEBERRY G O 7120 N Mex THURLOW D L 5420 Mich THURMAN C W 5700 Miss THURMON J C 3380 III THURSTON FAYE C Mrs 160 Ala THURSTON RICHARD 4200 Ky THURTELL G W 11800 Wis THVEDT O ARDIS 11740 Wis THYSELL JR 9510 S Dak TIBBITTS T W 11730 Wis TICHENOR P J 5660 Minn TICHNER DORIS A Mrs 4240 Ky TICKNOR R L 8720 Oreg TIDD W M 8050 Ohio TIDWELL M B 90 Ala TIEMEIER OW 4100 Koms TIERSON W C 7344 NY TIETEMA S J 6230 Mont TIETZ W J Jr 1390 Colo TIFFANY L W 3560 Ind TIFFANY LOIS H Mrs 3670 Iowa

TILLMAN A D 8270 Okla

TILSON H G 4200 Ky TILT P A 320 Ariz TILTON JE 7690 N Dak TIMELL TE 7337 NY TIMIAN R D 7850 N Dak TIMM T R 10000 Tex TIMMERMAN DORIS A 9320 S C TIMMERMAN DORIS A 9320
TIMMINS PATRICIA J 1580
TIMMONS F L 11910 Wyo
TIMMONS G E 5260 Mich
TIMMONS J F 3690 Iowa
TIMOTHY D H 7400 N C
TINDELL L D 2550 Ga Conn TINGS V 2240 Fla
TINGS V 2240 Fla
TINGA J H 10960 Va
TINGEY DC 10540 Utah
TINGEY W A 10460 Utah TINKLIN GWENDOLYN L 3990 Kans TINLEY J M 960 Calif TINNERMEIER R L 3690 Iowa TINSLEY I J 8490 Oreg TINSLEY W A 5250 Mich TIO M A 9040 P R TIO M A 5040 PR
TIPPINS HH 2770 Ga
TIPTON C L 3630 Iowa
TIPTON K W 4350 La
TISDALE E W 3232 Idaho
TISDALE T F 940 Calif TISHLER WH 11745 Wis TITKEMEYER C W 5430 Mich TITLOW F H Jr 10890 Va TITUS J S 3360 Ill TITUS R S 3970 Koms TLUSTOHOWICZ J J 1670 Conn TOAN HARRIET A 6270 Mont TOBENG E 11430 W Va TOBIAS JOSEPH 3330 III TOCHER S R 5453 Mich TOCQUIGNY JOE 10040 Tex TODD A C 11810 Wis TODD F A 7510 N C TODD F E 990 Calif TODD G C 7280 N Y TODD G W 8290 Okla TODD J D 9726 Tenn TODD JR 4140 Ky TODD R L 4710 Me TODD S H 4920 Md TOLBERT N E 5210 Mich TOLBERT R H 2410 Ga TOLERRW 10150 Tex TOLIN SUE A 10970 Va TOLMAN D B 4700 Me TOM F K T 7250 N Y TOMB HELEN 4500 La TOMBAUGH L W 5453 Mich TOMBES A S 9460 S C TOMEK W G 7250 N Y TOMES M L 3450 Ind TOMKINS J P 7250 N Y TOMKINSON R B 3970 Kans TOMLIN D C 10390 Utah
TOMLINSON HARLEY 1760 Conn TOMLINSON J F 8320 Okla TOMLINSON W E 5165 Mass TOMPKIN J R 7960 Ohio TOMPKIN J R 8130 Ohio TOMPKINS DANIEL 11310 TOMPKINS E H 10690 Vt TOMPKINS W A 11620 Wis TOOHEY J I 780 Calif TOOLE E R 5880 Miss TOOMEY W G 7400 N C TOPEL D G 3640 Iowa TOPOLESKI L D 7250 N Y TORBERT J W 4470 La
TORCHIO P F 10610 Utah
TORELL C R 6690 Nev
TORELL D T 910 Calif

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TORELL P J 3190 Idaho TORING EDYTHE L 7670 N Dak TORO-CALDER FRANCISCO 8990 TORO-ROSARIO JORGE 8960 PR TORO-VELEZ WILFREDO 8945 PR TORRADO M A 8940 P R TORRANCE L T 2450 Ga TORRES-SEPULVEDA ANIBAL 9110 PR TORRIE J H 11570 Wis TOSHIRO NISHIDA 3330 III TOSHIRO NISHIDA 3330 III
TOTH S J 7050 N J
TOTTEN A S 7610 N C
TOTTEN R C 6940 N J
TOTUSEK ROBERT 8270 Okla
TOUCHBERRY R W 3270 III TOUCHBURN S P 8030 Ohio TOURTELLOTTE M E 1580 Conn TOUSE R D 8020 Ohio TOUSSAINT W D 7410 N C TOVE S B 7385 N C TOWES B 7385 N C
TOVEY RHYS 6680 Nev
TOWENSEND L H 4200 Ky
TOWER B A 4520 La
TOWER C O 7970 Ohio
TOWN I L 8380 Okla
TOWNS MIRIAM G Mrs 9970 Tenn
TOWNSEND C E 1380 Colo TOWNSEND H G Jr 8810 Pa TOWNSEND K G 2240 Fla TOWNSEND RUTH O 2120 Fla
TOYAMA T K 11310 Wash
TOZIER ENID F 10865 Va TRAIL TF 5480 Minn TRAINER DO 11810 Wis TRAMEL J L Jr 10830 Va TRAMEL T E 5730 Miss TRAMELL D L 5810 Miss TRAMMEL KENNETH 2240 Fla TRAMMELL ESTHER Y 5580 Minn TRANT MARY M Mrs 10050 Tex TRAPP A L 5430 Mich TRASK O S 1630 Conn TRASK O S 1630 Conn

TRAUTMAN M B 8050 Ohio

TRAUTMAN M B 8050 Ohio

TRAUTMAN M J 330 Ariz

TRAUTMAN SILVA Mrs 9610 S Dak

TRAVIS B V 7250 N Y

TRAVIS H F 7250 N Y

TRAVER D D 3920 Kans

TUCKER H A 5240 Mich

TUCKER H F 50 Ala

TUCKER H M 5240 Mich

TYLER L J 7250 N Y

TYLER L J 7250 N Y

TYLER L J 7250 N Y

TYLER W J 11610 Wis

TUCKER B B 8260 Okla

TYLER W J 11610 Wis

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TYLER W J 11630 Wis

TUCKER B B 8260 Okla

TYLER W J 11630 Wis

TYLER W J 11630 Wis

TYLER W J 11630 Wis TREANOR KENNETH 2340 Ga TREASTER W L 5360 Mich TREAT J L 3920 Kam TREBILCOCK LORRAINE D Mrs 3350 TREECE ANNA J Mrs 9830 Tenn TREECE J R 1810 Del TREECE R E 8050 Ohio TREECE R E 8230 Ohio TREMBLAY R H 10690 Vt TRENARY O J 1460 Colo TRENARY O J 1487 Colo TRENKLE A H 3640 Iowa TRENKLE P D 6490 Nebr TRENT CURTIS 3970 Kans TRENT CURTIS 4010 Kans TREVENT B J 9724 Tenn
TREVETT M F 4770 Me
TREVILLYAN W H 9710 S Dak
TRIANTAPHYLLOU A C 7480 N C TRIANTAPHYLLOU HEDWIG H Mrs 7510 N C TRIAS FAUSTO MARIOTA 8930 PR TRIBBLE L F 5940 Mo TRIBBLE MARIE 10140 Tex TRICKEY N G 6020 Mo TRIEBSE 3920 Koms

 
 TRIMBERGER G W
 7250
 N Y
 TURNER B C
 9490
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 TRIONE E J
 8480
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 TURNER C N
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 N Y

 TRIPLEHORN C A
 8050
 Ohio
 TURNER C W
 5010
 Mass

 TRIPLETT C M
 2360
 Ga
 TURNER C W
 5960
 Mo

 TRIPLETT G B
 8070
 Ohio
 TURNER D C
 11190
 Wash
 TRIPLETT G B Jr 7900 Ohio TRIPPL D 8260 Okla TRIPPLE PATRICIA A 6660 Nev TRITSCHLER L G 6100 Mo TRIVIZ A E 7080 N Mex
TRIVIZ A E 7170 N Mex
TROCK W L 10000 Tex TROEGER J M 3710 Iowa TROEH F R 3630 Iowa TROLL JOSEPH 5150 Mass TROMBLE J M 520 Ariz TROST LUCILE L Mrs 280 Alaska TROTTER C E 8780 Pa TROTTER J H III00 Va TROTTER ROGENIA G Mrs 4460 La TROUSE A C 120 Ala TROUT GRAFTON 5410 Mich TROUTMAN E C 4170 Ky
TROUTMAN J L 10970 Va
TROUTMAN J L 11010 Va TROUTMAN J L 11010 Va
TROVER J R 7390 N C
TROXEL A W 7930 Ohio
TROXELL HE 1490 Colo
TROXELL MARY D Mrs 8878 Pa
TROVER D R 3510 Ind
TRUE J A 3940 Kan
TRUE MAE F Mrs 6270 Mont
TRUE R P 11510 W Va
TRUEBLOOD M S 11920 Wyo
TRUEBLOOD M S 11920 Wyo
TRUETT LOVER W Mae
TOWNEY D M S0 Ala
TURNEY H A 10090 Tex
TURNIQUIST O C 5590 Minn
TURNOUIST P K 9600 S Dak
TUTHILL BYRDINE H Mrs 605
TUTHILL DF 4850 Md
TUTT C R 4140 Ky
TUTT C R 4140 Ky
TUTTLE A P 5150 Mass TRUE R P 11510 W Va
TRUEBLOOD M S 11920 Wyo
TRUITT JOYCE W Mrs 4470 La
TRUJILLO E E 3030 Hawati
TRUJILLO P M 7230 N Mex
TRUMP DORIS C Mrs 1500 Colo
TRUPP C R 3630 Lower TRUPP C R 3630 Iowa TRYON E H 11470 W Va TSAO C H 2430 Ga TSAO P H 1310 Calif TSAO PAMELA W Mrs 1310 Calif TU A T 10420 Utah TUBB R A 9700 S Dak TUCKER J O 11920 Wyo
TUCKER RUTH E 9210 R I
TUCKER T C 370 Ariz
TUCKER W L 9500 S Dak
TUCKEY S L 3330 III
TUDOR D C 6890 N J
TUELLER P T 6670 Nev TUFTS W P 1100 Calif TUGMAN D F 7570 N C TUGWELL N P 630 Ark TUGWELL R L 9880 Tenn TUITE JF 3450 Ind TUKEY H B Jr 7250 N Y TUKEY L D 8860 Pa TUKEY R B 11310 Wash TULL CHRISTINE Mrs 2990 Haw TULLIS J T 1460 Colo TUMA H J 3860 Kans TUMBLESON M E 6100 Mo TUMLIN J T 2560 Ga TUNG T H 1430 Colo TURK D E 9440 S C TURK K L 7240 N Y TURK L M 5190 Mich TURK L M 5130 Much TURKETT JUDITH B Mrs 9370 S C TURMAN E J 8270 Okla TURN JENNY Mrs 7720 N Dak TURNBULL K J 11375 Wash TURN JENNY Mrs 7720 N Dak TURNBULL K J 11375 Wash

TURNER E C Jr 10920 Va TURNER EMALYN F 6050 Mo TURNER FRED Jr 370 Ariz TURNER FRED Jr 540 Ariz TURNER G W 4190 Ky TURNER G W 9724 Tenn TURNER IRENE M 4500 La TURNER J D 1362 Calif TURNER J H 2420 Ga TURNER J L 170 Ala TURNER J W 4360 La TURNER M S 6480 Nebr TURNER NEELY 1700 Conn TURNER NEELY 1740 Conn TURNER R B 2090 Fla
TURNER R I 3250 III
TURNER TERRY L 10750 Vt TURNER W A 10930 Va TURNER W J 3690 Iowa TURNEY D M 50 Ala TURNEY H A 10090 Tex TUTEN W A 9340 S C TUTHILL BYRDINE H Mrs 6050 Mo TUTTLE A P 5150 Mass TUTTLE D M 440 Ariz TUTTLE J W 4270 Ky TWARDZIK L F 5365 Mich TWEEDY B G 6060 Mo TWEETEN L G 8320 Okla
TWIEHAUS M J 6580 Nebr TWIGG B A 4920 Md
TWISS P C 3985 Kans
TWITTY VIRGINIA E 11900 Wyo TWOHY D W 5430 Mich TWOMEY J A 1560 Colo TYLER WS 1177 Calif TYNER E H 3250 III TYNER F H 4400 La TYNES J S 4435 La TYRCHNIEWICZ E W 3920 Kans TYRE G L 2480 Ga TYREE J M 10930 Va TYRRELL H F 7250 N Y
TYRRELL W P 9740 Tenn TYRELL W P 9740 Tenn TYSON B L 2420 Ga TYSON JANIE L 2150 Fla TYZNIK W J 7010 O TYSON JANIE L 2135 .

TYZNIK W J 7910 Ohio

TYZNIK W J 8040 Ohio

TYZNIK W J 8080 Ohio

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UDALL R H I390 Colo UDINE E J 8810 Pa UEHARA GORO 5420 Mich UGOLINI F C 11375 Wash UHL C H 7250 N Y UHL NATALIE W Mrs 7250 N Y UHLER L D 7250 N Y UHRIG J W 3690 Iowa ULBERG L C 7380 N C

| NAME | URIU KIYOTO 1100 Calif URQUHART N S 7250 N Y USEEM JOHN 5410 Mich USEEM RUTH Mrs 5410 Mich USENIK E A 5650 Minn USHERWOOD N R 1800 Del USINGER R L 800 Calif USMAN SHUSHIL 5630 Minn USSARY J P 5950 Mo
USSERY MARGARET A 9790 Tenn
UTHE ELAINE F 5260 Mich UTZ A P Jr 4210 Ky UVACEK ED 10000 Tex

# VACHHA SILLOO Mrs 3330 Ill

VACINGL 3770 Iowa

VAIGNEUR HO 5750 Miss VAIG GLADYS E 3410 Ind VAIL GLADYS E 3530 Ind VAILE J E 660 Ark

VANDERFURD H B 5/00 Miss
VANDERLIP R L 3850 KCms
VANDERSALL J H 4840 Md
VAN DER VAART H R 7550 N C
VANDERVEST W L 11570 Wis
VANDERZANT CARL 10040 Tex
VANDERZANT ERMA S Mrs 10050 URBAN W M 5310 Mich
URBAN KE 3920 Kms
URBAN W D 7280 N Y
URBAN W E Jr 6860 N H
URBON J C 590 Ark
URBC R 1560 Colo
URICH JUDITH R Mrs 3970 Kms
URICK J J 6390 Mont
URICK J J 6390 Mont

VANDER/ZANT CARL 10040 Tex
VANDER/ZANT CARL 10040 Tex
VANDER/ZANT ERMA S Mrs 10050
VASQUEZ-REYNA ANDREA Mrs
VANDER/ZANT ERMA S Mrs 10050
VASQUEZ-ROMERO R 9110 P R
VEATCH COLLINS 11390 W Va
VEGA-CORDERO REINALDO 894C
P R
VEHMEYER F J 1155 Calif 
 VAIL GLADIS E
 VAIL GLADIS E
 3530 Ind

 VAILE J E
 660 Ark
 VAN NORDEN FLORENCE IN IN INCIDENCE 

VAN DEWETERING HYLKE 3690 lowa
VANDOREN C A 5640 Minn
VAN DOREN D M 7900 Ohio
VAN DOREN D M 8070 Ohio
VAN DOREN D M 8070 Ohio
VAN DUYNE FRANCES O 3350 Ill
VAN ECK W A 11390 W Va
VAN ESELTINE W P 2560 Ga
VAN ETTEN J L 6560 Nebr
VAN FOSSEN L D 3710 lowa
VAN GUNDY S D 1300 Calif
VAN HORN G A 8760 Pa
VAN HORN H H 3640 lowa
VAN HORN H H 3640 lowa
VAN HORN MYRTLE 5340 Mich
VAN JACKSON W M 11170 Va
VAN KEUREN R W 7900 Ohio
VAN KEUREN R W 8070 Ohio
VAN KEUREN R W 7900 Ohio
VAN KEUREN R W 7900 Ohio
VAN KEUREN R W 7900 Ohio
VAN KEUREN R W 8070 Ohio
VAN KEUREN R W 7900 Ohio
VAN KEUREN R W 7900 Ohio
VAN KEUREN R W 8070 Ohio
VAN MIDDELEM C H 2120 Fla
VANNIEROP T G M 5365 Mich
VAN NORDEN H O 10420 Utah

VAN ORDEN H O 10420 Utah

VAZQUEZ-ROMERO R 9110 P R
VEATCH COLLINS 11390 W Va
VEGA-CORDERO REINALDO 6940
VELEZ-PORTURO JESUS 9050 P R
VELEZ-FORTURO JESUS 9050 P R
VELEZ-FORTURO JESUS 9050 O P R
VELEZ-FORTURO JESUS 9050 O P R
VENARD C E 8050 Ohio
VENARD C E 8050 Ohi VILLEGAS NELIA ACOSTA VILLEGAS NELIA ACOSTA VILSTRUPR H 11620 Wis VLSTRUPR H 11750 Wis VILLEGAS NELIA ACOSTA 9010 PR VIMMERSTEDT J P 7900 Ohio VIMMERSTEDT J P 8160 Ohio

VINES ESTELLE 9790 Tenn

VAGGENER T R 11372 Wash
VINS H M 2240 Fla

WAGGONER B E 5880 Miss
VALKER W P 4850 Md
WALKER W P 4850 Md
WALLE MA 1950 Md
WALLE MALKER M 1980 MA
WALLE B 1980 Fla
WALLACE AM 4140 K W
WALLACE A T 2180 Fla
WALLACE B 1980 Fla
WALLACE B 1980 Fla
WALLACE MARY S 4940 Fla
WALLACE L P 530 Me
WALLACE D P 530 N P
WALLACE AM 4140 K W
WALLACE L P 680 Mont
WALLACE L P 730 Calif
WALLACE L 
 VOELKER'S W
 7770
 N Dak
 WAITE A B
 5940
 Mo
 WAILACE OF 0000 NT
 WALLACE RW
 2240
 Fla

 VOGEL O A
 11190
 Wash
 WAITE PJ
 3630
 Jowa
 WALLACE RW
 2240
 Fla

 VOGEL S L
 7790
 N Dak
 WAITE WAYNE
 10410
 Utch
 WALLACE RACHAEL R Mrs
 4240
 Ky

 VOGEL S L
 7790
 N Dak
 WAITES R
 2090
 Fla
 WALLACE SARAH W Mrs
 11170
 Va

 VOGEL A R
 8160
 Ohio
 WAKEFIELD LUCILLE
 3990
 Kans
 WALLACE W
 9195
 R I

 VOGT D W
 10840
 Va
 WAKELEE LOUISE Mrs
 8380
 Okla
 WALLACE W
 11664
 Wis

 WALLACE SARAH W Mrs
 11170
 Va
 WALLACE W
 9195
 R I
 WALLACE W
 9195
 R I

 WOGT D W
 10840
 Va
 WAKELEE LOUISE Mrs
 8380
 Okla
 WALLACE W
 11664
 Wis

 WALLACE W
 WALLACE W
 1170
 Va</ VOGELMANN H W 10890 Vt
VOGT A R 8160 Ohio
VAKEFIELD R C 9130 R I
VOGT D W 10840 Va
WAKELEE LOUISE Mrs 8380 Okla
WAKELEE LOUISE Mrs 8380 Okla
WAKELEN ELOTE T 11664 Wis
WALKER F 1 1200 Okla
VOLK G W 7900 Ohio
WALLER T 1 1200 Wash
WALLIAR T 1 1270 Wash
WALLIAR VOSSBRINK META 5260 Mich VOTTH VICTOR 1100 Calif VALKER H 0 878 Calif WALKER H 0 878 Calif WALTON D C 7337 NY WALT

WALLACE D.R. 590 Ark WALLACE DEVENIA P.Mrs. 4990 Md WALLACE RACHAEL R Mrs 4240 Ky

## WARD- WEI

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WEIREL DE 8050 CM:
WHISEL RO 3259 III
WEIREL ROTTE I 1460 W Vo
WEIREL RO 3259 III
WEIREL RO 3259 III
WEIREL RO 3250 III
WEIREL R

# WHITE-WILLIAMS

### WILLIAMS NO 1130 Keab
### WILLIAMS NOT CRED Calif
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# WOHLETZ-YEE

WOHLETZ-YEE

WOHLETZ E W 3232 Idaho
WOKER CLAUDIA R Mrs 5560 Minn
WOLANSKI E K 1402 Colo
WOLBERG F B 8470 Creq
WOLDED D 1660 Conn
WOLF A 2240 Fla
WODRING MURIEL J Mrs 8630 Oreg
WOLF E A 2240 Fla
WODRIFF D B 3100 Idaho
WOODRUFF D B 3100 Idaho
WOOD ## WOOLFEN ARIZOR DO 2240 Fla | WOODS W R 6420 Nebr | WOODSIDE A M 10302 Vox | WOODSIDE A M 1030

YEGIAN H M 5150 Mass YEH C J 4690 Me YENDOL W G 8810 Pa YECRR 940 Calif YEVDJEVICH V M 1460 Colo YOCOM C F 1366 Calif YOCOM T R 3340 III 

 YOHO CAROLE B
 552U MIND

 YOHO CAROLE B
 552U MIND

 YONKE T R
 11650 Wis

 YORK B J
 110 Ala

 YORK B J
 110 O Calif

 YORK G K
 1010 Calif

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 < | 1745 | Wis | 240 | Clark | Wis | W YOUNG E F Jr 10300 IV YOUNG E M 4630 Me YOUNG E P 4820 Md YOUNG E P 520 Mig YOUNG E R 4190 Ky YOUNG ELEANOR Mrs 4910 Md YOUNG F A 6020 Mo YOUNG F W 7250 N Y YOUNG FRANCES E 7260 N Y YOUNG FRANKLIN 2990 Hawaii YOUNG H B 2060 Fla YOUNG H C 8290 Okla YOUNG F HANKLIN 2990 nawa
YOUNG H B 2060 Fla
YOUNG H C 8290 Okla
YOUNG H G 9600 S Dak
YOUNG H W 2250 Fla
YOUNG J H 7430 N C YOUNG J L 8680 Oreg YOUNG J O 3430 Ind YOUNG J O 6550 Nebr

YOUNG PS 4650 Me YOUNG R A 400 Ariz YOUNG R A 6680 Nev YOUNG R A 8460 Oreg YOUNG R E 5075 Mass
YOUNG R E 5180 Mass
YOUNG R E 7935 Ohio
YOUNG R G 7250 N Y
YOUNG R H 10295 Tex

# Z

ZABEL MYRA B Mrs 5580 Minn ZABEL R A 7334 N Y ZABEL R A 7335 N Y ZABIK MARY E Mrs 5340 Mich ZACK PHYLLIS M 3530 Ind
ZACKS SHELEMYAHU 4080 Kans
ZAEHRINGER MARY V 3170 Idaho
ZAHLER S A 7250 N Y
ZAHNER ROBERT 5453 MH
ZAHRADNIK I MICE S 940 Mc
ZUELNER K O 3860 K
ZUBER M S 6030 Mc
ZUBKOFF P L 7920 Ohi
ZUERISKI J C 7860 N D
ZUCKER MILTON 1760 (
ZUCKERMAN R MILTON 1760 (
ZUC ZABKA G G 7930 Ohio ZACHARIAH G L 3490 Ind ZAHLER S A 7250 N Y YOUNG J R 2640 Ga ZAHRADNIK J W 5060 Mass ZUGER WE 11360 Wash YOUNG LOUISE A 11690 Wis YOUNG LUCY T 870 Calif YOUNG MARILYN J Mrs 8888 Pa ZALKIN HOWARD 3440 Ind ZANE ALEXIS 4140 Ky

ZAPATA M PEREZ 9110 P R ZARKOWER ARIAN 8870 Pα ZARKONE...
ZAROOGIAN G E 9240
ZAVARIN EUGENE 875 Calif
ZAVITKOVSKI J 8722 Oreq
ZAYAS LEON ROBERTO 8940 P R
ZAYAS-PINERO ROSAEL 8990 P R
ZAYLSKIE J J 7830 N Dak YOCOM T R 3340 III
YOCOM T R 3480 Ariz
YOCUM J O 8740 Pa
YOUNG R H 10295 Tex
YOUNG R M 10850 Va
YOUNG R W 10850 Va
YOUNG R W 10850 Va
YOUNG R W 10850 Va
YOUNG STUART 1390 Colo
YOUNG STUART 1390 Colo
YOUNG SUSAN E 4760 Me
YOUNG T W 2240 Fla
YOUNG T W 2240 Fla
YOUNG W A 4510 La
ZELICER D C 7500 N C
ZEIGER D C 7500 N C
ZELICER D C 7500 N C
ZEMAN FRANCES J 1075 Calif
ZEMIANIS RAIMUNDS 5650 Minn ZIMMERMAN J E 3260 III ZIMMERMAN KATHARYN Mrs 6020 Mo ZIMMERMAN L H 320 Ariz ZIMMERMAN L N 8908 Pa ZINDEL H C 5370 Mich ZINGARO R A 10070 Tex ZIVNUSKA J A 760 Calif ZIVNUSKA J A 760 Calif ZMOLEK W Z 3640 Iowa ZOBEL B J 7470 N C ZOBRISKY S E 5940 Mo ZOELLNER K O 2006 ZINKE P J 875 Calif ZOELLNER K O 3860 Kan ZUBKOFF PL 7920 Ohio ZUBRISKI J C 7860 N Dak ZUCKER MILTON 1760 Conn ZUCKERMAN B M 5165 Mass ZUCKERMAN B M 5180 Mass ZWOLANEK HELEN K 3350 III ZWOLINSKI M J 520 Ariz ZYCH C C 3360 III ZYMMERMAN D C 7740 N Dak

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